

Heidi V. Russell, M.D, Ph.D.

EDUCATION/TRAINING

2010- 2013	Ph.D., Public Health, Health Economics and Health Services Research Track, University of Texas School of Public Health, Houston, Texas. Dissertation: Childhood Cancer Inpatient Utilization: Patterns, Costs, Associated Factors and Time Trends From 2003 to 2009 Mentor: Luisa Franzini, PhD.
2010-2013	UTHealth Innovation for Cancer Prevention Research Post-doctoral Fellowship, funded by Cancer Prevention and Research Institute of Texas (CPRIT). Mentor: Luisa Franzini, PhD.
1997-2000	Pediatric Hematology/Oncology Fellowship; Texas Children's Cancer Center, Baylor College of Medicine, Houston, Texas
1995-1997	Pediatrics Residency, Baylor College of Medicine; Houston, Texas
1994-1995	Pediatric Internship, Baylor College of Medicine; Houston, Texas
1990-1994	Medical Doctor, University of Alabama School of Medicine; Birmingham, Alabama
1986-1990	Bachelor of Industrial Engineering, Georgia Institute of Technology, Atlanta, Georgia

Board Eligibility/Certification

2000 – present	American Board of Pediatric Hematology/Oncology
1997 - 2004	American Board of Pediatrics

Other Specialized Training

2019	Crucial Accountability Training, Texas Children's Hospital, March 4-5, 2019
2016	Faculty Mentor Training Workshop, Gulf Coast Consortia, Houston, TX, December 7, 2016
2014	TreeAge Pro Healthcare Training, London, UK May 14-15, 2014
2013	Advanced Decision Modeling for Health Economic Evaluations. ISPOR 18 th Annual International Meeting, May 19, 2013
2013	Cost-Effectiveness Analysis Alongside Clinical Trials. ISPOR 18 th Annual International Meeting May 18, 2013
2010	Advanced Quality Improvement Course, Texas Children's Hospital, May – September 2010

- 2005 Association of American Medical Colleges Early-Career Faculty Professional Development Seminar; Santa Fe, New Mexico; December 3-5, 2005
- 1999 The American Association of Immunologist Advanced Course in Immunology; Berkeley, California; July 19-24, 1999

ACADEMIC APPOINTMENTS

- 2022 - Present Professor, Department of Management, Policy and Community Health, UTHealth Houston School of Public Health, Houston, Texas
- 2021 – 2022 Associate Professor (part-time), UTHealth Houston School of Public Health, Houston, Texas
- 2020 - Present Lecturer, Professional Science Master's Program, Rice University, Houston, Texas
- 2016 – 2021 Secondary Appointment, Center for Medical Ethics and Health Policy Baylor College of Medicine, Houston, Texas
- 2012 Special Leave of Absence to complete doctoral degree
- 2011 – 2022 Associate Professor, Department of Pediatrics, Baylor College of Medicine, Houston Texas
- 2001 – 2011 Assistant Professor, Department of Pediatrics, Baylor College of Medicine, Houston, Texas
- 2000 – 2001 Instructor, Department of Pediatrics, Baylor College of Medicine, Houston, Texas

HONORS AND AWARDS

- 2017 The Center for Medical Ethics and Health Policy Faculty Service Award
- 2009 Fulbright and Jaworski L.L.P. Faculty Excellence Award for Enduring Educational Materials.
- 1994 Award of Excellence in Pediatrics: Pediatric Faculty of the School of Primary Medical Care; University of Alabama; Huntsville, Alabama
- 1991 Neuroscience Research Award: University of Alabama School of Medicine; Birmingham, Alabama

PUBLICATIONS

Full Papers Published Following Peer Review:

*Student work on which I served on a dissertation committee or was otherwise highly involved.

Lauren Desroisiers-Battu, Tao Wang, Jacquelyn Reuther, George Miles, Hongzheng Dai, Eunji Jo, **Heidi Russell**, Robin Raesz-Martinez, Alva Recinos, Stephanie Gutierrez, Amy Thomas, Emily Berenson, Jessica Corredor, Kimberly Nugent, Rachel Wyatt Castillo, Rebecca Althaus, Rebecca Littlejohn, Shawn Gessay, Gail Tomlinson, Jonathan Gill, Juan Carlos Bernini, Kelly Vallance, Timothy Griffin, Sarah Scollon, Frank Lin, Christine Eng, Shashikant Kulkarni, Susan Hilsenbeck, Angshumoy Roy, Amy McGuire, Donald Williams Parsons, Sharon Plon.

Comparing the diagnostic yield of germline exome versus panel sequencing in the diverse population of the Texas KidsCanSeq pediatric cancer study. *Journal of Oncology Precision Medicine*, Sept 11; 8, 2024. PMID 39259914

*Jose Serpa, Gretchen Gemeinhardt, Cesar Arias, Robert Morgan, **Heidi Russell**, Hongyu Miao, Cecilia Ganduglia Cazaban. Impact of the hospital acquired condition reduction program on teaching and safety-net hospitals. *JAMA-Open Network*, Feb 5;7(2), 2024. PMID:38363569

Heidi Russell, Jeffrey Hord, Colin Orr, Scott Moerder. Modeling the pediatric subspecialty workforce: Hematology/Oncology. *Pediatrics*, Feb 1:153(Supp 2), 2024. PMID: 38299998

Vivian Ho, Sasa Tapaneeyakul, **Heidi Russell**. Comparing price increases versus upcoding as drivers of emergency department spending increases. *HealthAffairs*, Aug 42(8);1119-1127,2023. PMID: 37549336

Hadley Stevens Smith, Bart S. Ferket, Bruce D. Gelb, Lucia Hindorff, Kathleen D. Ferar, Mary E. Norton, Nuriye Sahin-Hodoglugil, Anne Slavotinek, Kristen Hasmler Lich, Jonathan S. Berg, **Heidi Russell**. Parent-reported clinical utility of pediatric genomic sequencing in the CSER Consortium. *Pediatrics*, Aug 1;152(2), 2023. PMID: 37470118.

Heidi Russell, Hadley Stevens Smith, Jennette T. Bensen, Priyanka Murali, Bart Ferket, Candice Finnilla, Lucia A Hindorff, Nuriye Sahin-Hodoglugil. Lessons learned while starting multi-institutional genetics research in diverse populations: A Report from the Clinical Sequencing Evidence-Generating Research (CSER) Consortium. *Contemporary Clinical Trials*, Feb;125, 2023. PMID: 36567057.

Stephanie Kraft, **Heidi Russell**, Jeannette Bensen, Katherine Bonini, Jill Robinsons, Nuriye Sahin-Hodoglugil, Kathleen Renna, Lucia Hindorff, Dave Kaufman, Carol Horowitz, Margaret Waltz, Jamilyn Zepp, Sara Knight. Conducting clinical genomics research during the COVID-19 pandemic: Lessons learned from the CSER consortium experience. *American Journal of Medical Genetics*. Feb;191(2):391-399 2023. PMID: 36341765.

Stephanie Fetzko, Adriana Fonseca, Mary Malone, Abha Gupta, Bhuvana Setty, Jeremy Schraw, Philip Lupo, R. Paul Guillerman, Anish Butala, **Heidi Russell**, Lauren Nicholls, David Waltherhouse, Douglas Hawkins, M. Fatih Okcu. Is detection of relapse by surveillance imaging associated with longer survival in patients with rhabdomyosarcoma? *Journal of Pediatric Hematology Oncology*, Aug 1;44(6):305-312, 2022. PMID 35137727.

Bart Ferket, Zack Baldwin, Priyanka Murali, Akila Pai, Kathleen Mittendorf, **Heidi Russell**, Favia Chen, Frances Lynch, Kristen Hassmiller, Lucia Hindorff, Renate Savich, Anne Slavotinek, Hadley Stevens Smith, Bruce Gelb, David Veenstra. Cost-effectiveness frameworks for comparing genome and exome sequencing versus conventional diagnostic pathways. *Genetics in Medicine*, Oct;24(10):2014-2027, 2022. PMID: 35833928.

David C. Synhorst, Matt Hall, Michelle Macy, Jessica L. Bettenhausen, Jessica L. Markham, Samir S. Shah, Melissa Grey, Anthony Moretti, Mehul Raval, Yao Tian, **Heidi Russell**, Jonathan Hartley, Rustin Morse, James C. Gay. Financial outcomes associated with pediatric observation status hospitalizations. *Pediatrics*. April 1;149(4) 2022. PMID 35355068.

Kathryn Phillips, Julia Trosman, Michael Douglas, Bruce D. Gelb, Bart Ferket, Lucia Hindorff, Anne Slavotinek, Jonathan Berg, **Heidi Russell**, Beth Devine, Veronica Greve, Hadley Stevens Smith. Perspectives from Payers on insurance coverage for genome vs exome sequencing: A study by the clinical sequencing evidence-generating research consortium (CSER). *Genetics in Medicine* Jan;24(1): 238-244, 2022. PMID 34906461

Heidi Russell, Yueh-Yun Chi, M. Fatih Okcu, M. Brooke Bernhardt, Carlos Rodriguez-Galindo, Abha Gupta, Douglas Hawkins. Rising drug cost impacts on cost-effectiveness of two chemotherapy regimens for intermediate risk rhabdomyosarcoma: A report for the Children's Oncology Group. *Cancer*, Jan 15:128(7):317-325, 2022. PMID 34623638

Brian Weiss, Gregory Yanik, Arlene Naranjo, Fan Zhang, Wendy Fitzgerald, Barry Shulkin, Marguerite Parisi, **Heidi Russell**, Stephan Grupp, Luke Pater, Peter Mattei, Yael Mosse, Hollie Lai, Jason Jarzembowski, Hiroyuki Shimada, Judith Villablanc, Roger Giller, Rochelle Bagatelle, Julie Park, Katherine Matthay. A safety and feasibility trial of 131I-MIBG in newly diagnosed high-risk neuroblastoma: A Children's Oncology Group (COG) study. *Pediatric Blood and Cancer*. Oct;68(10):e29117, 2021. PMID 34028986.

Heidi Russell, Matt Hall, Rustin B. Morse, Gretchen J. Cutler, Michelle Macy, Jessica L. Bettenhausen, Michelle A. Lopez, Samir S. Shah, Marion R. Sills. Longitudinal trends in costs for hospitalizations at children's hospitals. *Hospital Pediatrics*, Sept;10(9):798-801. 2020 PMID 32747333

*Hadley Smith, J. Mike Swint, Seema Lalani, Marcia Otto, Jose-Miguel Yamal, **Heidi Russell**, Brendan Lee. Exome sequencing compared to standard genetic tests for infants. *Genetics in Medicine*, Aug;22(8), 2020. PMID 32336750

*Sarah Whittle, Valeria Smith, Allison Silverstein, Margaret Parmeter, Charles Minard, M Brooke Bernhardt, Peter Zage, Rajkumar Venkatramani, Jed Nuchtern, Andras Heczey, **Heidi Russell**, Jason Shohet, Jennifer Foster. Is high risk neuroblastoma induction chemotherapy possible without G-CSF? A pilot study of safety and treatment delays in the absence of primary hematopoietic growth factors. *Pediatric Blood and Cancer*, Aug 24;67(10), 2020.

Michelle Lopez, Matt Hall, Katherine Auger, Jessica Bettenhausen, Gregrey Colvin, Gretchen Cutler, Evan Fieldston, Michelle Macy, Rustin Morse, Jean Raphael, **Heidi Russell**, Samir Shah, Marion Sills. Care of pediatric high cost hospitalizations across hospital types. *Hospital Pediatrics*, Mar;10(3):206-213, 2020. PMID 32024665

*Alison Silverstein, Kiran Reddy, Valeria Smith, Jennifer Foster, **Heidi Russell**, Sarah Whittle. Blood product administration during high risk neuroblastoma therapy. *Pediatric Hematology Oncology* Feb;37(1):5-14, 2020. PMID 31829069

*Hadley Stevens Smith, **Heidi Russell**, Brendan Lee, Stephanie Morain. Using the Delphi method to identify clinicians' perceived importance of pediatric exome sequencing results. *Genetics in Medicine*, 2020 Jan;22(1):69-76. PMID: 31273346.

*Hannah Abrams, Hayden Leeds, **Heidi Russell**, Melody Hellsten. Factors influencing family burden in pediatric hematology/oncology encounters. *Journal of Patient-Centered Research and Reviews*. 2019 October 28; 6(4). PMID 31768403

*Sarah Whittle, Michelle Lopez, **Heidi Russell**. Payer and race/ethnicity impact on length and cost of childhood cancer hospitalizations, *Pediatric Blood and Cancer*, 2019 Jul;66(7). PMID 30989762.

Nino Rainusso, Victor Seghers, Rachel Egler, John Hicks, **Heidi Russell**. Neuroblastoma of the bone and bone marrow without an apparent primary site: Report of 4 cases with long term follow up. *Pediatric and Developmental Pathology*. Jul-Aug;22(4): 329-333. 2019. PMID 30600764.

*Hadley Smith, J. Michael Swint, Seema R. Lalani, Jose-Miquel Yamal, Marcia C. Otto, Stephan Castellanos, Amy Taylor, Brendan Lee, **Heidi Russell**. Clinical application of whole genome and whole exome sequencing as a diagnostic tool: A scoping review of the literature. *Genetics in Medicine*. 2019 Jan 21(1):3-16. PMID 29760485

Michael Scheurer, Philip Lupo, Joachim Schuz, Logan Spector, Joseph Wiemels, Richard Aplenc, M. Monica Gramatges, Joshua Schiffman, Maria Pombo-de-Oliveria, Jun Yang, Julia Heck, Catherine Metayer, Mauela Orjuela-Grimm, Kira Bona, Parula Aristizabal, Mary Austin, Karen Rabin, **Heidi Russell**, David Poplack. An overview of disparities in childhood cancer: Report on the Inaugural Symposium on Childhood Cancer Health Disparities, Houston, Texas, 2016. *Pediatric Hematology and Oncology*. 2018 Mar 35(2):95-110. PMID 29737912

Sapna Kaul, **Heidi Russell**, Andrew Livingston, Ann Kirchhoff, Daniel Jupiter. Emergency department utilization by pediatric, adolescent and young adult cancer patients. *Journal of Adolescent and Young Adult Oncology*. 2018 Oct;7(5):553-564. PMID 29924663

Abhishek Bavle, Amanda Grimes, Anghi Dutta, Timothy Porea, Banita Patel, **Heidi Russell**, Andras Heczy. Cost-effectiveness and improved parent and provider satisfaction with outpatient management of pediatric oncology patients with low-risk fever and neutropenia. *Journal of Pediatric Hematology Oncology*. 2018 Oct;40(7):e415-e420. PMID 29334532

*Sarah Whittle, Kaitlin Williamson, **Heidi Russell**. Incidence and risk factors of bacterial and fungal infection during induction chemotherapy for high-risk neuroblastoma. *Journal of Pediatric Hematology Oncology* Aug; 34(5):331-342, 2017. PMID 29200325

Supna Kaul, Jaqueline Contrera, Miriam Mutambudzi, **Heidi Russell**, Anne Kirchhoff, CL Schwartz. Mental distress and healthcare utilization among survivors of adolescent and young adult cancer: A cross-sectional analysis of the National Health Interview Survey. *Cancer*. 2017 Mar 1;123(5):869-878. PMID: 27859009

Heidi Russell, M. Brooke Bernhardt, Stacey Berg. Using decision modeling to guide drug allocation during a shortage. *Pediatric Blood and Cancer*. 2016 Jul;64(7). PMID: 27862980

Rachel A Egler, Yasmin Gosiengfiao, **Heidi Russell**, Jonathan Wickiser, A. Lindsay Frazier. Is surgical resection and observation sufficient for stage I and II sacrococcygeal germ cell tumors? A case series and review. *Pediatric Blood and Cancer*. 2016 Oct 51(10). PMID: 27786428

Yesenia Rojas, Sergio Jaramillo, Karen Lyons, Nadia Mahmood, Meng-Fen Wu, Hao Liu, Sanjeev Vasudevan, R. Paul Guillerman, Chrystal Louis, **Heidi Russell**, Jed Nuchtern, Eugene Kim. The optimal timing of surgical resection in high-risk neuroblastoma. *Journal of Pediatric Surgery*. 2016 Oct;51(10):1665-9. PMID 27318861.

Heidi Russell, Andrew Street, Vivian Ho. How well do APR-DRGs explain costs of pediatric cancer chemotherapy admissions in the US? *Journal of Oncology Practice*. 2016 May;12(5). PMID 27118158.

Jody L. Lin, R. Paul Guillerman, **Heidi V. Russell**, Philip J. Lupo, Lauren Nicholls, M. Fatih Okcu. Does routine imaging of patients for progression or relapse improve survival in rhabdomyosarcoma? *Pediatric Blood and Cancer* 2016, Feb 63(2):202-5. PMID 26376023.

Rachel Beaty, Brooke Bernhardt, Amanda Berger, Joy Hesselgrave, **Heidi Russell**, M. Fatih Okcu. Inpatient versus outpatient vincristine, dactinomycin and cyclophosphamide for pediatric cancer: Quality and cost implications. *Pediatric Blood and Cancer* 2015, Nov;62(11):1925-8. PMID 26152314.

Jennifer Blumenthal-Barby, Scott B. Cantor, Aanand D. Naik, **Heidi V. Russell**, Robert J. Volk, Emily Robinson. The neglected topic: Presentation of cost information in patient decision aids. *Medical Decision Making* 2015, May;35(4):412-8. PMID 25583552.

Heidi V. Russell, M. Fatih Okcu, Kala Kamdar, Mona D. Shah, Eugene Kim, J. Michael Swint, Wenyaw Chan, Xianglin L. Du, Luisa Franzini, Vivian Ho. Algorithm for analysis of administrative pediatric cancer hospitalization data according to indication for admission. *BMC Medical Informatics and Decision Making*, 2014, Oct 1;14(1):88. PMID: 25274165.

Ali Mazloom, Chrystal U. Louis, Jed Nuchtern, Eugene Kim, **Heidi Russell**, Wendy Allen-Rhoades, Robert Krance and Arnold C. Paulino. Radiotherapy to the primary and post-induction chemotherapy MIBG-avid sites in high-risk neuroblastoma. *International Journal of Radiation Oncology Biology Physics*, 2014, Nov 15:90(4):858-62. PMID: 25245583

Heidi Russell, J. Michael Swint, Lincy Lal, Jane Meza, David Walterhouse, Douglas Hawkins, M. Fatih Okcu. Cost minimization analysis of two treatment regimens for low-risk rhabdomyosarcoma in children: A report from the Children's Oncology Group. *Pediatric Blood and Cancer*, 2014 June;61(6):970-6. PMID: 24453105

Shiley Aguilar, M. John Hicks, Chrystal Louis, Peter Zage, **Heidi Russell**. Congenital neuroblastoma in a neonate with isotretinoin embryopathy. *Journal of Pediatric Hematology Oncology* 2014 Mar;36(2) e75-7. PMID: 23652876

J.S. Blumenthal-Barby, Scott B. Cantor, **Heidi V. Russell**, Aanand D. Naik, Robert J. Volk. Decision aids: when 'nudging' patients to make a particular choice is more ethical than balanced, nondirective content. *Health Affairs* 2013 Feb 32(2): 303-310. PMID: 23381523

Heidi V. Russell, Janki Panchal, Helena VonVille, Luisa Franzini , J. Michael Swint. Economic evaluation of pediatric cancer treatment: a systemic literature review. *Pediatrics* 2013 Jan;131(1):e273-87. PMID: 23266919

Hassan SF, Mathur S, Magliaro TJ, Larimer EL, Ferrell LB, Vasudevan SA, Patterson DM, Louis CU, **Russell HV**, Nuchtern JG, Kim ES. Needle-core versus open biopsy for diagnosis of intermediate and high-risk neuroblastoma in children. *J Ped Surg*, 2012. June; 47, :1261–1266. PMID: 22703803

Chrystal Louis, Barbara Savoldo, Gianpietro Dotti, Martin Pule, Eric Yvon G. Doug Myers, Claudia Rossig, **Heidi Russell**, Oumar Diouf, Enli Liu, Hao Liu, Meng-Fen Wu, Adrian Gee, Zhuyong Mei, Cliona Rooney, Helen Heslop, Malcolm Brenner. Anti-tumor activity and long-term fate of chimeric antigen receptor positive T-cells in patients with neuroblastoma. *Blood*, 2011 Dec 1;118(23):6050-6. PMID: 21984804

Egler RA, Li Y, Dang TA, Peters TL, Leung E, Huang S, **Russell HV**, Liu H, Man TK. An integrated proteomic approach to identifying circulating biomarkers in high risk neuroblastoma and their potential in relapse monitoring. *Proteomics and Clinical Applications* 2011 Oct;5(9-10):532-41. PMID 21833997

Heidi Russell, Susan Groshen, Tasnim Ara, Yves DeClerk Hollie Jackson, Randy Hawkins, Heike-Daldrup-Link, Fabienne Deckert, Judith G.Villablanca, Araz Marachelian, Katherine Matthey, Susan Blaney. A phase I study of zoledronic acid and low dose cyclophosphamide in recurrent/refractory neuroblastoma: A New Approaches to Neuroblastoma Therapy (NANT) study. *Pediatric Blood and Cancer*, 57(2):275-82, Aug 2011. PMID: 21671363

Jack M. Su, Xiao-Nan Li, Patrick Thompson, Ching-Nan Ou, Ashish M. Ingle, **Heidi Russell**, Ching C. Lau, Peter Adamson, Susan M. Blaney. Phase I Study of Valproic Acid in Pediatric Patients with Refractory Solid or CNS Tumors: A Children's Oncology Group Report. *Clinical Cancer Research*, Feb 1:17(3):589-97, 2011. PMID: 21115653

Stacey Berg, Mitchell Cairo, **Heidi Russell**, Janet Ayello, A Mark Ingle, Henry Lau, Nainhang Chen, Peter Adamson, Susan Blaney. Safety, pharmacokinetics and immunoregulatory effects of lenalidomide in children and adolescents with relapsed/refractory solid tumors or myelodysplastic syndrome: A Children's Oncology Group Phase I Consortium Report. *Journal of Clinical Oncology*, Jan 20;29(3):316-23 2011. PMID: 21149673

*Peter Carlson, John L. Jefferies, Debra Kearney, **Heidi Russell**. Refractory Dilated Cardiomyopathy Associated with Metastatic Neuroblastoma. *Pediatric Blood and Cancer*. 2010 Oct;55(4):736-8. PMID: 20589652

Shang X, Vasudevan SA, Yu Y, Ge N, Ludwig AD, Wesson CL, Wang K, Burlingame SM, Zhao YJ, Rao PH, Lu X, **Russell HV**, Okcu MF, Hicks MJ, Shohet JM, Donehower LA, Nuchtern JG, Yang J. Dual-specificity phosphatase 26 is a novel p53 phosphatase and inhibits p53 tumor

suppressor functions in human neuroblastoma. *Oncogene*. 2010 Sep 2;29(35):4938-46. PMID: 20562916

Shang X, Burlingame SM, Okcu MF, Ge N, **Russell HV**, Egler RA, David RD, Vasudevan SA, Yang J, Nuchtern JG. Aurora A is a negative prognostic factor and a new therapeutic target in human neuroblastoma. *Mol Cancer Ther*. 2009 Aug;8(8):2461-9. PMID: 19671766

Vasudevan SA, Shang X, Chang S, Ge N, Diaz-Miron JL, **Russell HV**, Hicks MJ, Ludwig AD, Wesson CL, Burlingame SM, Kim ES, Khan J, Yang J, Nuchtern JG. Neuroblastoma-derived secretory protein is a novel secreted factor overexpressed in neuroblastoma. *Mol Cancer Ther*. 2009 Aug;8(8):2478-89. PMID: 19671756

Heidi Russell, M. John Hicks, Alison Bertuch, Mark Johnson, Murali Chintagumpala. Infantile Fibrosarcoma: Clinical and Histologic Responses to Cytotoxic Chemotherapy. *Pediatric Blood and Cancer*. 2009 Jul 53(1): 23-7. PMID: 19340853

Ara T, Song L, Shimada H, Keshelava N, **Russell HV**, Metelitsa LS, Groshen SG, Seeger RC, DeClerck YA. Interleukin-6 in the bone marrow microenvironment promotes the growth and survival of neuroblastoma cells. *Cancer Research*. 2009 Jan 1;69(1):329-37. PMID: 19118018

*Rachel Egler, Sue Burlingame, **Heidi Russell**. Levels of IL-6 in Peripheral Blood and Bone Marrow Correlates with Neuroblastoma Metastatic Spread. *Clinical Cancer Research*. 2008; 1:14(21): 7028-34. PMID: 18980999

Martin A Pule, Barbara Savoldo, G Doug Myers, Claudia Rossig, **Heidi V Russell**, Gianpietro Dotti, Enli Liu, Adrian P Gee, Zhuyong Mei, Eric Yvon, Hao Liu, Heidi L Weiss, Cliona M Rooney, Helen E Heslop, Malcolm K Brenner. Virus-specific T cells engineered to co express tumor specific receptors: persistence and antitumor activity in individuals with neuroblastoma. *Nature Medicine*. 2008; 14(11): 1264-1270.

Heidi V. Russell, Douglas Strother, Zhuyong Mei, Donna Rill, Edwina Popek, Ettore Biagi, Eric Yvon, Malcolm Brenner, Raphael Rousseau. A Phase II/ Pilot Study of Autologous Neuroblastoma Tumor Cells Genetically Modified to Secrete IL-2 in Patients with High Risk Neuroblastoma Responsive to Chemotherapy. *Journal of Immunotherapy*, 2008 Nov-Dec;31(9):812-9. PMID: 18833006

Himes RW, Rajiman I, Finegold MJ, **Russell HV**, Fishman DS. Diagnostic and therapeutic role of endoscopic retrograde cholangiopancreatography in biliary rhabdomyosarcoma. *World Journal of Gastroenterology*, 2008; Aug 14;14(30):4823-5. PMID: 18720547

Plon SE, Pirics ML, Nuchtern J, Hicks J, **Russell H**, Agrawal S, Zbuk K, Eng C, Hegde M, Chin EL. Multiple Tumors in a Child with Germline Mutations in TP53 and PTEN. *New England Journal of Medicine*. 2008; July;359(5): 537-539. PMID: 18669439

Andre N. Gay, Shirong Chang, Lindsey Rutland, Ling Yu, Sarah Byeseda, Bindi Naik-Mathuria, Darrell L. Cass, **Heidi Russell**, Oluyinka O. Olutoye. Granulocyte Colony Stimulating Factor (GCSF) Alters the Phenotype of Neuroblastoma Cells: Implications for disease-free survival of high-risk patients. *Journal of Pediatric Surgery*. 2008; May 43 (5): 837-842. PMID: 18485949

*Chrystal U. Louis, Arnold C. Paulino, Stephen Gottschalk, Allison A. Bertuch, Murali Chintagumpala, Helen E. Heslop, and **Heidi V. Russell**. A Single Institution Experience With Pediatric Nasopharyngeal Carcinoma: High Incidence of Toxicity Associated With Platinum-based Chemotherapy Plus IMRT. *J Pediatr Hematol Oncol*. 2007 Jul;29(7):500-505. PMID: 17609631

Massimiliano De Bortoli, Robert C. Castellino, Darlene G. Skapura, Jianhe J. Shen, Jack M. Su, **Heidi V. Russell**, M. John Hicks, Tsz-Kwong Man, John Y. H. Kim. Patched Haploinsufficient Mouse Rhabdomyosarcoma Overexpress Secreted Phosphoprotein 1 and Matrix Metalloproteinases. *European Journal of Cancer*, 2007; 43(8): 1308-1317. PMID: 17467979

Heidi V. Russell, Douglas Strother, Zhuyong Mei, Donna Rill, Edwina Popek, Ettore Biagi, Eric Yvon, Malcolm Brenner, Raphael Rousseau. Phase I Trial of Vaccination with Autologous Neuroblastoma Tumor Cells Genetically Modified to Secrete IL-2 and Lymphotoxin. *Journal of Immunotherapy*, 2007; 30: 227-233. PMID: 17471169

Sanjeev A. Vasudevan, **Heidi V. Russell**, M. Fatih Okcu, Susan M. Burlingame Zhiyun J. Liu, Jianhua Yang, Jed G. Nuchtern. Neuroblastoma-derived secretory protein messenger RNA levels correlate with high-risk neuroblastoma. *Journal of Pediatric Surgery*, 2007; 42, 148-152. PMID: 17208556

Heidi V. Russell, MD, Laurie A. Golding, Mary Nell Suell, Jed G. Nuchtern, Douglas R. Strother. The role of bone marrow evaluations in the staging of patients with otherwise localized, low-risk neuroblastoma. *Journal of Pediatric Blood and Cancer*, 2005;45(7):916-919. PMID: 16078212

Mehmet Fatih Okcu, Rui-Yu Wang, Carlos Bueso-Ramos, Wendy Schober, Douglas Weidner, Richard Andrassy, Martin Blakely, **Heidi Russell**, Alp Ozkan, John Kuttesch, Michael Andreeff, Ka Wah Chan, and Joann Ater. Flow cytometry and fluorescence in situ hybridization to detect residual neuroblastoma cells in bone marrow. *Journal of Pediatric Blood and Cancer*, 2005;45(6):787-795. PMID: 15929127

Straathof KC, Bollard CM, Popat U, Huls MH, Lopez T, Morriss MC, Gresik MV, Gee AP, **Russell HV**, Brenner MK, Rooney CM, Heslop HE. Treatment of nasopharyngeal carcinoma with Epstein-Barr virus-specific T lymphocytes. *Blood*. 2005 Mar 1;105(5):1898-904. PMID: 15542583

Heidi V. Russell, John Hicks, M. Fatih Okcu, Jed G. Nuchtern. CXCR4 expression in neuroblastoma primary tumors is associated with clinical presentation of bone and bone marrow metastases. *Journal of Pediatric Surgery*. 2004; Oct 39(10): 1506-11. PMID: 15486895

Full Papers Without Peer Review

Heidi Russell. Highlights: Asparaginase Products in Upfront Acute Lymphoblastic Leukemia Therapy: Value, Location and Style. *Pediatric Blood and Cancer* Jan;66(1):e27497, 2019. PMID 30318846

Heidi Russell, M. Brooke Bernhardt. Bending the Cost Curve in Childhood Cancer. *Current Hematologic Malignancy Reports*. Aug;11(4):295-302, 2016. PMID 27193602

Charles Macias, Krystal Bartley, Travis Rodkey, **Heidi Russell**. Creating an Enterprise-Wide Data Strategy to Drive Improvement. *Current Treatment Options in Pediatrics*. Oct; 1(4) 334-346.

Jason Shohet, **Heidi Russell**. G-CSF Counteracts Chemotherapy Toxicity in Neuroblastoma. *Nature Reviews Clinical Oncology*, Jan;8(1):6-8, 2011. PMID: 21102531

Abstracts Acceptor/Given During the Last Three Years

Alexander Sandweiss, Chau Truong, Kristy Murray, **Heidi Russell**. Pediatric neuroinflammatory and demyelinating disorders require significant inpatient resources. 53rd Child Neurology Society Annual Meeting, San Diego, CA, November 11-14, 2024.

Chau Truong, Alexander Sandweiss, Kristy Murray, **Heidi Russell**. Children with non-specific encephalitis and myelitis require significant inpatient resources. Presentation session. APHA 2024 Annual Meeting, Minneapolis, MN. October 23, 2024.

Alexander Sandweiss, Chau Truong, Kristy Murray, **Heidi Russell**. Patients with demyelinating disorders require significant inpatient resources. ECTRIMS Annual Congress, Copenhagen, Denmark. September 18-20, 2024

Lauren Desrosiers, Jill Robinson, **Heidi Russell**, Sarah Scollon, Hongzheng Dai, Robin Raesz-Martinez, Alva Recinos, Jaquelyn Reuther, Medha Naik, George Miles, Donna M. Muzny, Angshumoy Roy, Uma Ramamurthy, Richard A. Gibbs, Gail Tomlinson, Juan Carlos Bernini, Jonathan Gill, Tim Griffin, Kelly Vallance, Amy McGuire, D. Williams Parsons, Sharon E. Plon. Comparing the diagnostic yield of germline exome versus panel sequencing in the diverse population of the Texas KidsCanSeq Pediatric Cancer Study. *Accepted for presentation*. Texas Children's Cancer Center and Hematology Center Research Symposium, Houston TX, May 2024.

Austin Brown, **Heidi Russell**, Abiodun Oluyomi, Michelle Fritsch, Kayla Foster, Omar Shakeel, Shawki Quasim, Fatih Okcu, Maria Monica Gramatges. A clinical and sociodemographic risk prediction model evaluating adherence to long-term care in survivors of childhood leukemia. American Society of Hematology, November 15, 2022.

Sam Stripling, Vivian Ho, Sasathorn Tapaneeyakul, **Heidi Russell**. The implications of upcoding for spending on emergency department visits. ASHEcon 2022.

Sharon E. Plon, Lauren Desrosiers, Jill Robinson, **Heidi Russell**, Sarah Scollon, Hongzheng Dai, Robin Raesz-Martinez, Alva Recinos, Jaquelyn Reuther, Medha Naik, George Miles, Donna M. Muzny, Angshumoy Roy, Uma Ramamurthy, Richard A. Gibbs, Gail Tomlinson, Juan Carlos Bernini, Jonathan Gill, Tim Griffin, Kelly Vallance, Amy McGuire, D. Williams Parsons. Physician recommendations after germline sequencing in pediatric cancer patients: Texas KidsCanSeq Study. *Accepted for platform presentation*. ACMG, Nashville TN, March 22-26, 2022.

Bart Ferket, Zach Baldwin, Priyanka Murali, Akila Pai, Kathleen Mittendorf, **Heidi Russell**, Flavia Chen, Katrina Goddard, Kristen Hassmiller, Lucia Hindorff, Elaine Lyon, Renate Savich,

Anne Slavotinek, Bruce Gelb, David Veenstra, Hadley Stevens Smith. Cost-effectiveness frameworks for comparing genome and exome sequencing versus conventional diagnostic pathways. *Accepted for poster*. ACMG, Nashville TN, March 22-26, 2022.

Stephanie Kraft, Jennette Bensen, Katherine Donohue, Lucia Hindorff, Dave Kaufman, Kathleen Renna, Jill Robinson, Heidi Russell, Nuriye Sahin-Hodoglugil, Margaret Waltz, Jamily Zepp, Sara Knight. Conducting clinical genomic medicine research during the COVID-19 pandemic: Lessons learned from the CSER consortium experience. American Society of Human Genetics, October 18-22, 2021.

Policy and Advocacy Publications

Heidi Russell. Potential Cost Impacts of Relaxing Childhood Vaccine Requirements in Texas. Center for Health and Biosciences Issue Brief. Rice University's Baker Institute for Public Policy. October 12, 2022. [Potential Cost Impacts of Relaxing Childhood Vaccine Requirements in Texas | Baker Institute](#)

Clarice Jacobson, Laura Petersen, Mary Majumder, Stephanie Morain, Jean Raphael, **Heidi Russell**, Drew Helmer, Herbert Butrum, and Amy McGuire on behalf of the Center for Medical Ethics and Health Policy at Baylor College of Medicine. Making Healthcare More Accessible & Affordable in the U.S. Healthcare Solutions Statement for Baylor College of Medicine. February 2020

Communicating to the General Public

Houston Matters, KUHF Public Radio. Electronic health record patient portals. August 15, 2023.

Heidi Russell. Field Observations of the Health Care System. Blog on heidirusell.com. May 2021 - present.

Heidi Russell. COVID and the Texas freeze: death by a thousand cuts. KevinMD.com. March 7, 2021. <https://www.kevinmd.com/blog/2021/03/covid-and-the-texas-freeze-death-by-a-thousand-cuts.html>

Vivian Ho, Kristen Matthews, **Heidi Russell**. Weekly blog addressing COVID pandemic health policy issues. Baker Institute Blog. April - June, 2020. <http://blog.bakerinstitute.org/2020/05/04/as-states-reopen-experts-seek-to-understand-how-the-virus-spreads/>

Heidi Russell, Vivian Ho. The federal government CARES, but is that enough for health care providers? Baker Institute Blog. April 1, 2020

Russell, Heidi. A Perfect Pharmaceutical Storm, 2018. <https://blogs.bcm.edu/2018/08/31/the-epipen-shortage-a-perfect-pharmaceutical-storm/>

Russell, Heidi. Action is Uncomfortable, Inaction is Worse, 2017.
<http://www.texaschildrens.org/departments/center-child-health-policy-and-advocacy/blog/action-uncomfortable-inaction-worse>

RESEARCH INFORMATION

Research Support as Investigator

Title: Survivorship of Child and Adolescent Cancers: A Cross System Focus on Outcomes and Disparities
PI(s): Heidi Russell
Sponsor: National Cancer Institute
Date: July 2025 – June 2030
Status: Submitted October 2024
Goal: Leverage the Texas Cancer Registry and Texas All Payers Claims Dataset to study the health, healthcare utilization, and factors associated with disparities in a survivors of childhood acute lymphoblastic leukemia.

Title: Multidisciplinary Care for Pediatric Leukemia Patients: Assessing Team Composition Differences Associated with Patients' Distance to Care
PI(s): Heidi Russell
Sponsor: NIHCM Foundation
Date: January 2025-December 2025
Status: LOI Submitted June 2024 – Not chosen for full submission
Goal: Assess the composition of medical teams caring for children with ALL in Texas

Title: Childhood Cancer Cardiac Imaging: Past, Present, and Future
PI(s): Heidi Russell
Sponsor: Alex's Lemonade Stand Foundation, POST Program Grant
Date: 2017
Status: Complete

Title: Building a Texas-Based Center for Neuroblastoma Clinical Research
PI(s): Heidi Russell
Sponsor: Alex's Lemonade Stand Foundation Pediatric Oncology Translational Research Program
Date: 2006-2008
Status: Complete

Research Support as Co-Investigator

Title: Clinical Benefit and Cost-Efficacy of Risk-Stratified Survivorship Navigation to Overcome Structural Barriers to Long-Term Follow-up Care
PI(s): Helen Heslop

Sponsor: National Cancer Institute 3P30CA125123-14S10 Administrative Supplements for the NCI P30 Cancer Center Support Grants to Support Research to Understand and Address Organizational Factors that Contribute to Disparities in Outcomes Among Childhood Cancer Survivors

Date: 2021-2022

Status: Complete

Title: Evaluating utility and improving implementation of genomic sequencing for pediatric cancer patients in the diverse population and healthcare settings of Texas

PI(s): William Parsons, Sharon Plon, Amy McGuire

Sponsor: NHGRI U01 5 U01 HG006485-06 Clinical Sequencing Evidence-Generating Research (CSER2)

Date: 2017-2021

Status: Complete

Journal Reviewer

BMC Medical Informatics and Decision Making
Bone Marrow Transplant
Cancer
Clinical Cancer Research
Clinical Therapeutics
Expert Review of Pharmacoeconomics & Outcomes Research
Journal of Health Organization and Management
Journal of Medical Genetics
Oncologist
Pediatrics
Pediatric Blood and Cancer
Pediatric Hematology and Oncology
Value in Health

Grant Reviewer

2023 Ad-hoc Reviewer California Institute for Regenerative Medicine (CIRM)

2022 Reviewer CHCD Research Pilot Award, UTHealth Houston School of Public Health

Professional Society Membership

2013 – present International Society for Pharmacoeconomics and Outcomes Research

2000 – 2009 American Society of Clinical Oncologists

2000 – present Children’s Oncology Group.

Research Committees and Working Groups

2024	Medical Education Dual Degree Consortium
2017 - 2022	Clinical Sequencing Evidence-Generating Research (CSER) Clinical Utility, Health Economics, and Policy Working Group. Co-chair of working group 2020 - 2022.
2006 – 2010	Children’s Oncology Group Neuroblastoma Disease Committee
2002 – 2006	Children’s Oncology Group Neuroblastoma Developmental Therapeutics Committee

Lectures, Presentations, Research Seminars

2024	Budgeting for Hope: Financing Precision Medicine in Pediatric Oncology. St Jude’s Research Hospital, Memphis TN, May 16, 2024.
2022	Economic Impact of Vaccines in Texas. 2022 Texas Vaccine Policy Symposium, Rice University’s Baker Institutes for Public Policy. Houston, Texas, October 14, 2022.
2020	Cost: The Other Cancer Risk. Research conference. Texas Children’s Cancer and Hematology Centers. September 17, 2020.
2019	A Tangled Web: Policy and Health Care Complexity. Inaugural Baylor College of Medicine Health and Science Policy Day. April 2, 2019.
2017	Recognition and Prevention of Physician Burnout. Practice Management, McGovern Medical School Family Medicine Residency. September 6, 2017.
2017	High-Intensity EOL Care: More than Meets the Eye. PediHope 9 th Annual Conference. League City, Texas, July 28, 2017.
2016	Moderator. Social Determinants of Health in Pediatric Cancer. Inaugural Symposium on Childhood Cancer Health Disparities. Houston Texas, November 2, 2016.
2015	Health Policy and Medical Practice. The Rice Pre-Medical Society’s Second Annual Rice University Medical Speakers Conference, January 31, 2015.
2015	Panelist. Medical Decision Making Affinity Group, American Society for Bioethics and Humanities 17 th Annual Meeting. October 24, 2015.
2015	Economic Evaluation of ARST0531. Soft Tissue Sarcoma Open Session, Children’s Oncology Group Meeting. October 7, 2015.

- 2015 Does Routine Imaging Improve Survival in Rhabdomyosarcoma? Soft Tissue Sarcoma Open Session, Children's Oncology Group Meeting. October 7, 2015.
- 2014 Cost: The Other Cancer Risk. Research conference. Texas Children's Cancer and Hematology Centers. October 30, 2014.
- 2010 Pleuropulmonaryblastoma (PPB). Discussion of the disease and treatments. For APHON chapter education meeting. May 6, 2010.
- 2009 Opsoclonus/Myoclonus/Ataxia Syndrome Associated with Neuroblastoma. Pediatric Neurology Grand Rounds, Texas Children's Hospital. August 5, 2009.
- 2008 Under the Microscope: Neuroblastoma Bone (and Bone Marrow) Metastases. Webinar Series, www.nbhope.org/blogs/under_the_microscope, March 19, 2008.
- 2008 GCSF and Neuroblastoma. 2008 Children's Neuroblastoma Conference, July 19, 2008.
- 2008 Treatment of Recurrent Neuroblastoma, Discussion Panel. 2008 Children's Neuroblastoma Conference, July 19, 2008.
- 2007 Zometa and Neuroblastoma. 2007 Children's Neuroblastoma Conference, June 29, 2007.
- 2006 Clinical Research Education Session (CreEd): Human Gene Transfer and the IRB/IBC. Description of human gene transfer trials, the Baylor regulations for review, and approval by the Internal Review Board and the Internal Biosafety Committee. May 25, 2006.
- 2006 Update of Neuroblastoma Phase II Working Group: Children's Oncology Group Meeting March 24, 2006.
- 2006 NANT 2004-01: A Phase I Study of Zoledronic Acid (Zometa) with Cyclophosphamide in Children with Recurrent or Refractory Neuroblastoma and Cortical Bone Involvement. NANT Consortium Meeting March 10, 2006
- 2005 NANT 2004-01: A Phase I Study of Zoledronic Acid (Zometa) with Cyclophosphamide in Children with Recurrent or Refractory Neuroblastoma and Cortical Bone Involvement. NANT Consortium Meeting February 26, 2005
- 2004 Cellular Therapy for Neuroblastoma. Pediatric Grand Rounds at Memorial Sloan Kettering Cancer Center, December 9, 2004.
- 2004 Immunotherapy Studies at Texas Children's Hospital. 2004 Children's Neuroblastoma Conference, July 23, 2004.
- 2004 Bisphosphonates and Bone Metastases. 2004 Children's Neuroblastoma Conference, July 23, 2004.

TEACHING INFORMATION

Educational Leadership Roles

2024	Member CEPH Re-Accreditation Steering Committee, UTHealth Houston School of Public Health.
2024	Member UTHealth Houston School of Public Health Academic Council
2023 - Present	Director Dual Degree Programs, UTHealth Houston School of Public Health
2023 - Present	Co-Course Director PH3736: Healthcare Payment Systems and Policy, UTHealth Houston School of Public Health
2022- Present	Course Director. PHD3846: Quality Management and Improvement in Healthcare, UTHealth Houston School of Public Health
2020 - 2022	Course Director. NSCI 530: Shaping of Health Policy, Rice University
2019 - 2020	Course Director. MEETH-415 Methods and Analysis of Health Policy, Baylor College of Medicine
2018 - 2021	Associate Director. Health Policy Pathway for Medical Students. Baylor College of Medicine
2018	Course Director. MEETH413 Introduction to Health Policy. Baylor College of Medicine
2016-2017	Course Co-Director. MEETH413 Introduction to Health Policy. Baylor College of Medicine

Invited Guest Lecturer

2024	CPRIT Summer Scholars, July 11, 2024.
2021	Guest Teacher PHD 3846: Quality Management and Improvement in Healthcare. Lee Revere and Jennifer Tektiridis, UT School of Public Health. February 10, 2021.
2020-2022	Guest Teacher Economics 481, Vivian Ho PhD, Rice University, Undergraduate Students
2017- 2018	Quality Improvement and Costs. Advanced Quality Improvement Course. Texas Children's Hospital, Houston, Texas.
2016-2019	MBETH-MAIN Medical Ethics: Health Policy I Introduction to U.S. Health Care System and Policy, and Health Policy II The Role of Clinicians in Responsible Management. First year medical students and allied health professionals. Baylor College of Medicine
2016	Cost Effectiveness. Health Service Research and Development Fellowship Education Seminar Series. Center for Innovations in Quality, Effectiveness, and Safety.

2016	Population Health and Value Based Care. Advanced Quality Improvement Bootcamp. Texas Children's Hospital, Woodland, Texas.
2016	Population Health and Value Based Care. Healthcare Finance Lecture Series, Texas Children's Hospital.
2015 – 2018	Guest Teacher Economics 481, Vivian Ho PhD, Rice University, Undergraduate Students.
2013	Health, Productivity and Economic Development. Diploma in Tropical Medicine, Module 1. Medical students.

Mentoring

UTHealth Houston School of Public Health Doctoral Level

2023 – present	Dissertation Chair: <u>Jennifer Rowland</u> , DrPH Candidate in Community Health Practice. Title: <i>Assessing the functional accessibility, readability, understandability, actionability and quality of online pediatric cancer patient education materials available through United States cancer organizations</i>
2023 - present	Dissertation Chair: <u>Isaac Valdez</u> , PhD Candidate in Healthcare Management Title: <i>Assessing the impact of prior authorization on medical dosimetrists: Resource allocation, job satisfaction, and cost analysis</i> Defended Dissertation 9/9/24
2024 – 2024	Academic Advisor for PhD/DrPH Students Active Students: 5
2022 - 2023	Dissertation Chair: <u>Tolulope Oshiba-Fowode</u> , PA, PhD Candidate in Healthcare Management
2022	External reviewer for dissertation for <u>Jose A. Serpa Alvarez, MD, MS</u> , Candidate for PhD in Healthcare Management. Title: <i>Hospital Acquired Condition Reduction Program: Performance, Improvement and Association with Patient Outcomes</i>
2021 – 2023	Dissertation committee for <u>Julio Allo, MPH, MBA</u> . PhD Candidate at School of Public Health. Graduated May 2023.

UTHealth Houston School of Public Health Master Level

2023	Advisor for Practicum and Independent Learning Experience: <u>Blayton Jackson</u> , MPH/MSHI candidate.
2022-2024	Academic Advisor: Healthcare Management MPH Active students 10 Graduated Students: 3

2024 Academic Advisor: Dual Degree MPH
Active Students: 42

Other Mentoring

- 2019- 2022 Member of dissertation committee for Karen Gibbs, MSN/MPH, RN, PHNA-BC, PhD candidate at University of Texas School of Nursing. Project: Estimating the changes in transfusion utilization. Defended dissertation October 2022.
- 2018 - 2020 Scholarship Oversight Committee for Dustin Hipp, MD, MBA. Pediatric Critical Care Fellow, Texas Children's Hospital. Performed research on cost drivers in critically ill children with bronchiolitis. Currently on faculty at Vanderbilt University.
- 2018 - 2020 Scholarship Oversight Committee for Mark Zobeck, MD, MPH, Pediatric Hematology Oncology Fellow. Performing research on pharmacogenomic analysis of methotrexate toxicity in pediatric patients with acute lymphoblastic leukemia: determining toxicity risk, clinical outcomes, and resource utilization. Currently on faculty at Baylor College of Medicine.
- 2017-2018 Mentor for Hannah Todd, student of the joint Rice/BCM Health Humanism and Society Scholars program. Project: medical and educational system information availability from the perspective of a parent
- 2017-2018 Mentor for Antoia Iyer: student of the joint Rice/BCM Health Humanism and Society Scholars program. Project: medical and educational system information availability from the perspective of a parent
- 2016- 2021 Clinical mentor for Julie Tomolonis, MD/PhD student at Baylor College of Medicine. Project: tumor immune microenvironment of advanced stage neuroblastoma. Completed PhD Feb 2021.
- 2016 – 2019 Clinical mentor and member of dissertation committee for Hadley Smith, MPSA, PhD candidate at University of Texas School of Public Health. Project: Estimating the costs of whole exome sequencing for critically ill infants. Currently post-doctoral fellow at the Center for Medical Ethics and Health Policy, Baylor College of Medicine
- 2016 - 2017 Mentor for Valeria Smith, MD, pediatric hematology-oncology fellow at Texas Children's Cancer Center. Performing research on the association of utilization during termination admissions and "Do Not Resuscitate" status. Currently on faculty at Baylor College of Medicine.
- 2016 – 2019 Mentor for Hannah Abrams. Project patient burden of outpatient clinical visits. Currently a trainee at Brigham and Women's Hospital.
- 2015 - 2019 Mentor for Sarah Whittle, MD, solid tumor fellow at Texas Children's Cancer Center. Performing research on utilization of hematopoietic growth factors in treatment of high risk neuroblastoma. Currently on faculty at Baylor College of Medicine.

2006 – 2008 Research Oversight Committee for Rachel Egler, MD, Clinical Scientist Training Program. Currently faculty member at Rainbow Babies Hospital in Cleveland, Ohio.

SERVICE CONTRIBUTIONS

Committees and Teams

2024 Academic Council, Representing dual degree and accelerated master's programs. UTHealth Houston School of Public Health

2023 Member Search Committee for Program Director for the Center of Healthcare Management and Policy, Department of Management, Policy and Community Health, UTHealth Houston School of Public Health

2019 - 2020 Texas Children's Hospital Representative to Steering Committee, Children's Hospital Association of Texas DSRIP and VBP

2019 - 2020 Value Based Care Committee, Texas Children's Hospital

2015 - 2018 Medical Director Clinical Systems Integration Population Health Economics, Texas Children's Hospital

2015 - 2016 Texas Children's Hospital Measurement Committee

2015 - 2018 Texas Children's Hospital Quality Service and Safety Forum

2015 - 2016 Co-Chair: Contents and Analytics Team, Texas Children's Hospital

2015 – 2018 Physician co-lead DSRIP Category 3 Project reporting sickle cell pain admissions, Texas Children's Cancer and Hematology Centers

2015 - 2018 Clinical Leadership Group DSRIP Internal Learning Collaborative, Texas Children's Hospital

2010 - 2011 Texas Children's Cancer Center Quality Transformation Committee

2005 – 2007 Texas Children's Cancer Center Clinic Pathways Committee

2004 – 2007 Baylor College of Medicine Institutional Review Board

Contributions, Initiative or Recognition Related to Patient Safety and Healthcare Quality

2020 - 2022	Developed processes for increasing safety and efficiency of Texas Children's Cancer Center procedures
2017 – 2019	Chair: Texas Children's Cancer and Hematology Centers Practice Standards Committee
2017	Participated in validation of order sets built within Beacon, the Epic® module for chemotherapy, prior to go-live
2015 – 2016	Participated in prediction modelling of bed requirements for Texas Children's Hospital redesign
2011 - 2013	Analysis of predicted impact to Texas Children's Hospital of Medicaid adoption of Diagnostic Related Group (DRG) reimbursement for chemotherapy admissions