Division Introduction

"As human beings, our job in life is to help people realize how rare and valuable each one of us really is, that each of us has something that no one else has or ever will have—something inside that is unique to all time. It’s our job to encourage each other to discover that uniqueness and to provide ways of developing its expression." (F. Rogers)

These sage words should guide all who work with children and their families.

This charge is particularly challenging when working daily with children who are – more than others – particularly vulnerable children. Those vulnerabilities encompass physical, emotional, behavioral, neurobiological conditions, and – too often – additional high-risk factors that are socially/environmentally determined.

For each component program conducted by the faculty in the Division of Developmental Behavioral Pediatrics, these vulnerable children and their families are the cohort seen daily. The severity of their vulnerabilities may vary. Their needs certainly vary. But common to all are the real and potential impacts such vulnerabilities have on viability, lifelong well-being, and quality of life. It is for these children and their families that the faculty of the Division come to work each day.

The Division of Developmental Behavioral Pediatrics incorporates specialists with expertise that allows longitudinal support to children/adolescents with:

- global developmental delays;
- developmental differences related to communication, language, and/or behavior;
- complex ADHD;
- dyslexia;
- learning disabilities;
- neurocognitive disorders;
- myelomeningocele;
- long-term neonatal follow-up;
- end-of-life issues;
- past trauma – too often resulting in their being placed in the Texas foster care system;
- recent exposure to child abuse/neglect;
- challenges to well-being in the adolescent developmental phase of growth;
- chronic medical complexities;
- Down syndrome;
- 22Q deletion syndrome;
- Fetal Alcohol Syndrome, and others.

The Division’s commitment to teaching is central to its work. In addition to providing all Pediatric and Med-Ped Residents with the ACGME’s required training in Developmental Behavioral Pediatrics, the Division’s Fellowship programs are robust and reflective of this commitment. This past year, 6 fellows were supported by the Division’s faculty in the sub-specialty areas of Developmental and Behavioral Pediatrics, Child Abuse/Neglect, and Adolescent Medicine. Drs. Meneses, Dakil, and Francis serve as fellowship directors. The Division of Developmental Behavioral Pediatrics’ core value of integrated training is reflected by the active program for graduate students in clinical psychology who have been selected by the Division to focus on children with developmental disabilities and who train alongside the pediatric residents; this area of training is overseen by Dr. Bordes Edgar, the Co-director for the Division.

The increasingly active research endeavors of the faculty in the Division are clinically driven in nature. Both quantitative and qualitative research methodologies guide better understanding of the needs, the applied interventions, and the outcomes among these vulnerable children and their families. These are described below.

Details in this report outline the remarkable contributions of the Division’s faculty across the UTSW campus, the broader community of North Texas outside the confines of the medical center, across the State of Texas, and across the nation.

All of the above are reflections of the Division’s unified focus of actions on behalf of the vulnerable child.
**Division Faculty**

The Division has 20 faculty specializing in a diversity of fields to provide collaborative and holistic care to the children we serve. These areas include developmental-behavioral pediatrics, adolescent medicine, complex care medical home, foster care medical home and research group, palliative care, and child abuse. There are presently five (5) open faculty positions with active recruitment. Four (4) faculty joined the Division in 2021:

**Sheryl Frierson, M.D.**
Associate Professor, Developmental Behavioral Pediatrics

![Sheryl Frierson's profile picture](image)

**B.A.**
Stanford University, Stanford, CA, 1986

**M.D.**
University of California at San Diego, San Diego, CA, 1990

**M.Ed. - Child Studies**
Vanderbilt University Peabody School of Education, Nashville, TN, 2014

**Postdoctoral Training**
- Residency, Pediatrics
  - Children’s Hospital Oakland, CA, 1990 – 1993
- Fellowship, Neurodevelopmental Disabilities
- Fellowship, Research Training in Brain Injury
  - Kennedy Krieger Institute Baltimore, MD, 2003 – 2005

**Interests:** Children with dyslexia and other learning disorders

**Abigail M. Kissel, M.D.**
Assistant Professor, Developmental Behavioral Pediatrics

![Abigail M. Kissel's profile picture](image)

**B.A.**
Northwestern University, Evanston, IL, 2006

**M.D.**
Baylor College of Medicine, Houston, TX, 2010

**Postdoctoral Training**
- Residency, Pediatrics
  - UT Southwestern, 2010 – 2013
- Chief Resident, Pediatrics
- Fellowship, Child Defender Fellowship
  - Children’s Defense Fund, 2018 – 2019
- Physician Builder, EPIC Physician Builder Training
  - EPIC Health Systems Management Corporation, 2019
- Fellowship, Developmental Behavioral Pediatrics
  - UT Southwestern, 2018 – 2021

**Interests:** Development and Behavior in young children and adolescents, cultural aspects of behavior differences, adolescents and mood/behavior concerns
Elizabeth R. Thomas, D.O.
Assistant Professor, Complex Care Medical Services

B.S.N.
Lamar University, Beaumont, TX, 2000
D.O.
University of North Texas Health Science Center, Fort Worth, TX, 2007
Postdoctoral Training
Residency, Pediatrics
UT Southwestern Pediatric Residency Program at Seton Family of Hospitals, 2007-2010
Interests: Children with complex medical needs and impact on their families; advocacy for quality care of children with disabilities; transition from pediatric to adult healthcare

Claire C. Usala, M.D.
Assistant Professor, Developmental Behavioral Pediatrics

B.A.
Georgetown University, Washington, D.C., 2014
M.D.
UT Southwestern Medical Center, Dallas, TX, 2018
Postdoctoral Training
Internship in Pediatrics
New York-Presbyterian Morgan Stanley Children’s Hospital, New York, NY 2018-2019
Residency, Pediatrics
New York-Presbyterian Morgan Stanley Children’s Hospital, New York, NY 2019-2021
Interests: Children with special healthcare needs; nutrition and food insecurity; transitioning to adult care; dysphagia in children with disabilities
## Faculty by Specialty

### Developmental and Behavioral Pediatrics

<table>
<thead>
<tr>
<th>Name</th>
<th>Title and Roles</th>
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<tbody>
<tr>
<td>Richard C. Adams, M.D.</td>
<td>Professor of Pediatrics, Division Chief</td>
</tr>
<tr>
<td>Veronica Bordes Edgar, Ph.D., A.B.P.P.</td>
<td>Associate Professor of Psychiatry and Pediatrics, Division Co-Director</td>
</tr>
<tr>
<td>Sari Bar, D.O.</td>
<td>Assistant Professor of Pediatrics, Director of DBP Clinics at CMC,</td>
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<td></td>
<td>Director, Down Syndrome Clinics, Director, DBP Resident Rotations</td>
</tr>
<tr>
<td>Marsha Carpenter, M.D.</td>
<td>Assistant Professor of Pediatrics, Luke Waites Center for Dyslexia and Learning Disorders, TSRHC</td>
</tr>
<tr>
<td>Veronica M. Meneses, M.D., M.S.H.S.</td>
<td>Associate Professor of Pediatrics, Director of DBP Clinics at TSRH,</td>
</tr>
<tr>
<td></td>
<td>Training Director, DBP Fellowship</td>
</tr>
<tr>
<td>Abigail Kissel, M.D.</td>
<td>Assistant Professor of Pediatrics</td>
</tr>
<tr>
<td>Sheryl Frierson, M.D.</td>
<td>Associate Professor of Pediatrics, Director of Luke Waites Center for Dyslexia and Learning Disorders, TSRHC</td>
</tr>
<tr>
<td>Claire C. Usala, M.D.</td>
<td>Assistant Professor of Pediatrics</td>
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### Complex Care Medical Services

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<thead>
<tr>
<th>Name</th>
<th>Title and Roles</th>
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<tbody>
<tr>
<td>Patricia Petroff, M.D.</td>
<td>Assistant Professor of Pediatrics, Director of Complex Care Medical Services</td>
</tr>
<tr>
<td>Patricia Hicks, M.D.</td>
<td>Professor of Pediatrics</td>
</tr>
<tr>
<td>Elizabeth R. Thomas, D.O.</td>
<td>Assistant Professor of Pediatrics</td>
</tr>
</tbody>
</table>
Adolescent and Young Adult Medicine

May Lau, M.D., MPH
Associate Professor of Pediatrics
Director of Adolescent and Young Adult Medicine Program

M. Brett Cooper, M.D.
Assistant Professor of Pediatrics

Jenny Francis, M.D.
Associate Professor of Pediatrics
Training Director, Adolescent and Young Adult Medicine Fellowship

REACH Child Abuse and Child Neglect Program

Suzanne Dakil, M.D.
Assistant Professor of Pediatrics
Director of REACH Program
Training Director, Child Abuse Fellowship

Kristin Reeder, M.D.
Assistant Professor of Pediatrics

Palliative Care

Mark Stockton Beveridge, Jr., M.D.
Assistant Professor of Pediatrics
Director of Pediatric Palliative Care Program

Katherine Maddox, M.D.
Assistant Professor of Pediatrics

Rees-Jones Center for Foster Care Excellence

Hilda Loria, M.D., MPH
Assistant Professor of Pediatrics
Director, Foster Care Program

Kimberly Stone, M.D., MPH
Assistant Professor of Pediatrics
Honors and Awards

Richard Adams
- Appointed to National Advisory Board, American Academy of Pediatrics Project: *Addressing Social Health and Early Childhood Wellness (ASHEW)*
- Professional Advisory Board, Spina Bifida Association of America; Chair, Committee on Transition and Adult Care

Stockton Beveridge
- Texas Monthly – Rising Star 2021

Veronica Bordes Edgar
- Granted Investigator Status – O’Donnell Brain Institute at UT Southwestern
- Outstanding Research Mentor – UT Southwestern Graduate School of Biomedical Sciences Clinical Psychology Doctoral Program
- Tony Wong Diversity Award for Outstanding Work Related to Diversity as a Mentor – National Academy of Neuropsychology
- Fellow Status – Hispanic Neuropsychological Society
- Fellow Status – National Academy of Neuropsychology

M. Brett Cooper
- Leadership Training Academy – Physicians for Reproductive Health

Suzanne Dakil
- Child Advocacy Partner of the Year – Vidanyx: Survivor Support Day, Partner Awards

Jenny Francis
- Promoted to Associate Professor

May Lau
- Elected Chair – Society for Adolescent Health and Medicine, Program Planning Committee Educational Sessions Workgroup

Hilda Loria
- Harvard Macy Institute Program for Leading Innovations in Healthcare and Education
- American Academy of Pediatrics, Young Physician Leadership Alliance, 2019-2021, Cohort Graduate
- Texas Monthly – Rising Star 2021

Veronica Meneses
- Promoted to Associate Professor

Kristen Reeder
- Child Advocacy Partner of the Year - Vidanyx: Survivor Support Day, Partner Awards
Invited Lectures

Sari Bar
- 53rd Annual Kenneth C. Haltalin Pediatrics for the Practitioner Conference, UT Southwestern Medical Center, Dallas, TX, March 2021
  - “ADHD in Adolescence”
- Practice to Practice, Children’s Health, Dallas, TX, (Virtual), July 2021
  - “Caring for a Child with Down syndrome in Your Primary Care Clinic”
- The University of Texas System, Early Childhood Scholars Series, (Virtual), May 2021
  - “Teaching Pediatric Residents the CORP Program: Collaboration Beyond the Hospital Walls to Support Childhood Outcomes”

Stockton Beveridge
- Pediatric Surgery Grand Rounds, UT Southwestern Medical Center (Virtual), August 2021
  - “Palliative Care”
- 3rd Annual Children’s Health Rehabilitation and Therapy Symposium, (Virtual), August 2021
  - “Palliative Care”

M. Brett Cooper
- North American Society for Pediatric and Adolescent Gynecology 2021 Annual Clinical and Research Meeting, (Virtual), March, 2021
  - “LGBT Health: The Need for Mental and Sexual Health Screening”

Suzanne Dakil
- Multidisciplinary Conference, Children’s Medical Center, Dallas, TX, April 2021
  - “37-day-old with Dehydration”
- Child Abuse Grand Rounds, Children’s Medical Center, Dallas, TX, April 2021
  - “Medical Child Abuse: More than and HBO movie”
- Trauma Grand Rounds, Children’s Medical Center, Dallas, TX, April 2021
  - “Stealing Innocence: Sex Trafficking in DFW”
- MidSouth Human Trafficking Summit, Lake Charles, LA, June 2021
  - “Hospital Partnership: Cooperation with Medical Schools and ER Staff on Identification and Treatment”

Veronica Bordes Edgar
- Society for Clinical Neuropsychology’s Association of Neuropsychology Students and Trainees, (Virtual), December 2021
  - Panelist, “Interviewing skills Q&A forum”
- Presidential Address, Hispanic Neuropsychological Association, Hispanic Heritage Month Webinar (Virtual) October 2021
  - “Critical factors in cultural pediatric neuropsychology: Reflecting on the past 3 years and anticipating the future”
- Lecture for the Cultural Foundations Undergraduate Course, Brooklyn College, City University of New York, New York, NY, (Virtual), October 2021
  - “Counseling Latinos: What you need to know”
- Lecture for the University of Texas at Arlington Chapter of the National Latinx Psychological Association, (Virtual), October 2021
  - “Breaking through discomfort and social barriers: Becoming a Latina leader”
• Lecture for the University of Texas at Arlington Psychology Society, (Virtual), September 2021
  o “Becoming a Spanish-Bilingual Neuropsychologist in the US – Challenges and Successes”
• Symposium Panelist and Discussant, Asociación Latinoamericana de Neuropsicología XI Congreso Cerebro y Mente, (Virtual), June 2021
  o “Cultura y Evaluación Neuropsicológica: Nuevas Fronteras”
• Lecture for the Considerations of Diversity Course, Counseling Psychology Graduate Program, City University of New York, New York, NY, (Virtual), June 2021
  o “Counseling Latinos: What you need to know”
• Lecture for the Psychoeducational Assessment III Course, School Psychology Graduate Program, College of Education, University of Florida, Gainesville, FL, (Virtual), April 2021
  o “Neuropsychology of 22q11.2 Deletion Syndrome”
• Society for Clinical Neuropsychology Student Leadership Development Program, (Virtual), March 2021
  o Panelist, “Leadership in cultural neuropsychology”

Jenny Francis
• Children’s Health Practice 2 Practice Series, Children’s Medical Center, (Virtual), November 2021
  o “Not Your Mother’s Birth Control: Thinking Past the Pill”
• Women’s Health Enrichment Elective, UT Southwestern Medical School, (Virtual), August 2021
  o “History of Reproductive Rights and Adolescent Contraception in the United States”
• Dallas International Academy, Dallas, TX, May 2021
  o “Adolescent Puberty and Wellness” (mentored adolescent medicine fellow, Dr. Julia Durante, to deliver a presentation to local middle and high school student class body)
• Multidisciplinary Case Conference, UT Southwestern Medical Center, (Virtual), March 2021
  o “Teen Angst – Adolescent Mental Health During the Coronavirus Pandemic”

Sheryl Frierson
• Expert Lecture Series Presentation to Therapists and Educators. Texas Scottish Rite Hospital for Children, Dallas, TX, March 2021
  o “Dysgraphia”

Abigail Kissel
• The University of Texas System Early Childhood Scholars Series, (Virtual), May 2021
  o “Teaching Pediatric Residents the CORP Program: Collaboration Beyond the Hospital Walls to Support Childhood Outcomes”

May Lau
• North American Society for Pediatric and Adolescent Gynecology 2021 Annual Clinical and Research Meeting, (Virtual), March 2021
  o “LGBT Health: The Need for Mental and Sexual Health Screening”

Hilda Loria
• Dallas CASA, Dallas, TX, July 2021
  o “Trauma-Informed Interactions with Children in the Child Welfare System”
• ZERO TO THREE Pediatric Forum, Virtual Annual Conference 2021, Preventing and Addressing Challenging Behavior with Your Youngest Patients and Their Families, Virtual, October 2021
  o “Is This Normal?: Considerations in Assessing the Social Emotional Health of Infants and Young Children?”
• Department of Pediatrics Research Conference, UT Southwestern Medical Center, Dallas, TX, September 2021
  o “A Pilot Study to Assess the Impact of a Brief Online Training on Learner Knowledge and Delivery of Trauma-Informed Care”
Katherine Maddox
- 3rd Annual Children’s Health Rehabilitation and Therapy Symposium, (Virtual), August 2021
  o “Palliative Care”

Veronica Meneses
- Cerebral Palsy Foundation, (Virtual), March 2020
  o “New Horizons for Cerebral Palsy Townhall Series”

Kristen Reeder
- 33rd Annual Crimes Against Children Conference, Dallas, TX, (Virtual), August 2021
  o "Ask the Expert: Dr. Kristen Reeder on Medical Issues in Child Abuse Cases"
- Continuing education, Children’s Advocacy Center of Collin County, Plano, TX, May 2021
  o "Injuries in Infants: Medical Information in Investigations"

Kimberly Stone
- Medical Reserve Corp, Collin County Health Department, McKinney, Texas, (Virtual), March 2021
  o “Impact of COVID-19 on Children and Adolescents”
- Texas Association of Child and Adolescent Psychiatry Annual Meeting, (Virtual), July 2021
  o “Changes and Challenges in Foster Care: Implications for Treatment”

Conference Presentations

National Academy of Neuropsychology Annual Conference, (Virtual), December 2021

Bordes Edgar V, Kissel A, Romero R, Meneses V, Shaw D, Salinas C

Pediatric Academic Societies Meeting, (Virtual), April/May 2021

Swamy P, Loria H, Ayoub-Rodriguez L, Fredricks K
  “Providing a Health Welcome: Care of the Immigrant Child”

Society for Developmental and Behavioral Pediatrics Annual Meeting, (Virtual), October 2021

  “Teaching and Trivia Techniques for LGBTQ Health Topics in Youth with Disabilities: Information and Instruction in an Innovative Format.”

  “Improving Epic Efficiency.”

Dryden M, Bordes Edgar V
  Poster Presentation, “Caregiver Stress in School-Age Children with Medical Complexity”

Shaw D, Bordes Edgar V, Kissel A, Meneses V, Romero R, Salinas C
Society of Adolescent Health and Medicine (SAHM), (Virtual), March 2021

Francis JKR, Kramer J, Sanchez V, Narain R, Roman H, McLeigh J, Lee SC
Poster Symposium Presentation, “Confidential contraception protections for adolescents in foster care in Texas.”

Keshwani N*, Narain R, Ville A, Francis JKR
Poster Presentation, “#Protect Yourself: Condom distribution program pilot study.”

McNeely C*, Sanchez K, Jetelina KK, Tiro J, Francis JKR
Poster Presentation, “Level of acculturation of Hispanic mothers and conversations with their daughters about reproductive health topics”

Meneses V
Chiapas de Corazon por el Autismo, Chiapas, MX, (Virtual), March 2021
“Overview of Autism Spectrum Disorder: Diversity within a Unifying Clinical Diagnosis”

Developing and Researching Advanced Models of Integrated Primary Care Conference, Nemours Children’s Health, (Virtual), September 2021

Lamminen L, Clark T, Grimes C, Loria H


Loria H, Lazcano C
Oral Presentation, “Trauma-Informed, Integrated Primary Care in the Time of COVID-19: Adapting Care Delivery for Children with In Utero Drug Exposure who Enter Foster Care”

Texas Pediatric Society Annual Meeting, (Virtual), September 2021

Lau M, Cooper B
Oral Presentation, “Are you PrEPared?”

Loria H
Oral Presentation, “Vulnerable and Underserved: Caring for Children Caught at the Intersection of Immigration and Child Welfare”

Stone K, Six-Means A, Cruz E, Reedy M
CME Presentation, “Empowering Youth Aging out of Foster Care”

Other Conferences

Adams R
Spina Bifida Assoc America; Clinical Care National Conference (Virtual), June 2021
“ADHD for the Primary Care Provider: A review of diagnosis and updated treatment options”
“Clinic Practices Promoting Shared Decision-Making and Transition Preparation”
Bordes Edgar V
International Neuropsychological Society Conference (Virtual), February 2021
Symposium Presentation, “Good Trouble: Population Management Solutions for Diverse Pediatric Populations
Symposium – Developmental Pediatric Screening Model”

Bordes Edgar V, McClintock SM
Texas Psychological Association Conference, Austin, TX, November 2021
Workshop, “Creating an inclusion and diversityresponsive practice: A focus on the provider”

Kayani S, Messahel S, Bordes Edgar V, Farrow-Gillespie A, Iannaccone ST, Gray SJ, Minassian BA, Greenberg B
International Congress on Neuronal Cereoid Lipofuscinosis Annual Meeting, St. Louis, MO, October 2021
Poster Presentation, “Data rationale for a phase 1, first-in-human intrathecal injection of a gene therapy agent,
AAV9/CLN-7 in late infantile neuronal ceroid lipofuscinosis, type 7 (CLN7)”

David W. Smith Workshop for Malformations and Morphogenesis. Skamania Lodge, Stevenson, WA, September 2021
Abstract Presentation, “Pharmacologic Treatment Experience of Six Patients with EPHB4-Associated Central
Conducting Lymphatic Anomaly”

Lau M, Cooper B
North American Society for Pediatric and Adolescent Gynecology Annual Clinical and Research Meeting, (Virtual),
March 2021
“LGBT Health: The Need for Mental and Sexual Health Screening”

Margolis M, Winward M, Hicks P
AMA ChangeMedEd® Conference, (Virtual), September, 2021
“The PMAC Handover Set: A novel approach to providing formative feedback about patient care transfers”

7th Annual Pediatric Research Forum for Medical Students, Orlando, FL, September 2021
Platform Presentation, “Missed opportunities in HPV vaccine administration in a pediatric outpatient clinic”

Loria H
Young Physicians Leadership Alliance Poster Symposium, American Academy of Pediatrics, October 2021
Poster Presentation, “Dallas Immigrant Health Collaborative: Coalition Building to Improve Access to Outpatient
Subspecialty Care for Immigrant Children”

Shaw D
Pediatric Nurse Practitioner Primary Care Cohort, Texas Women’s University, Dallas, TX, October 2021
Oral Presentation, “Down Syndrome in the Pediatric Population”
Oral Presentation, “Understanding Autism Spectrum Disorder”
Oral Presentation, “ADHD Evaluation and Treatment Strategies”
Oral Presentation, “Understanding Learning Disorders and Intellectual Disability”
Oral Presentation, “IEPs, 504s, ABCs, and 123s: Understanding the Public School Education System”

Stringer AY, Hamilton A, Sim A, Bordes Edgar V, Postal, K
American Academy of Clinical Psychology Virtual Conference June 2021
Workshop, “The road to relevance: Race, culture, and the revision of the Houston conference guidelines”
Education and Training

The vulnerable children served throughout the combined programs within the Division benefit from person-centered care that is optimally coordinated across medical and mental health and developmental disciplines, optimizing the holistic concept of “healthcare”. For clinicians across all disciplines to be able to provide this level of service, they need to be trained within such systems. The Division is built on the core value of providing integrated person-centered care and training medical students, residents, fellows, graduate students in mental health to extend and improve upon the model.

The care of vulnerable children with complex bio-psycho-social issues is best delivered as clinicians with different professional perspectives combined with unique skillsets. Faculty in the Division of Developmental-Behavioral Pediatrics are committed to collaborative physician and psychologist education and training. Active, integrated assessments and planning by medical and psychology graduate students, pediatric residents, psychology and neuropsychology interns, and pediatric and neuropsychology fellows throughout the Division greatly enhance the quality and effectiveness of the care provided to our children and their families.

The Division oversees and provides the [ACGME-required](https://www.acgme.org) training to the more than 100 Pediatric Residents in the CHST/UTSW training program through two of the Divisional programs. All Pediatric residents are required to participate in extended training in both Developmental Behavioral Pediatrics and in Adolescent Medicine during their three years of residency.

Division faculty provide direct teaching in Developmental Behavioral Pediatrics for PL1 and PL2 residents in various clinics both within the walls of the medical center, but also in settings throughout the community. Beyond “bedside” clinical teaching, a 3-year curriculum for learning has been developed for small group and semi-formal didactics. Topics for focus include (but are not limited to): dyslexia, myelomeningocele, autism, ADHD, Down Syndrome, childhood externalizing behaviors, anxiety issues in childhood and adolescence, toileting issues, school and learning problems, and other developmental / behavioral concerns. Residents are also integrated with programs such as Early Childhood Intervention, Speech, Occupational, Physical, and Recreational therapies, and Child Life.
Within the Division, Dr. Maddox has developed a highly interactive and well-received series of educational modules and small group learning sessions devoted to attaining skills in Shared Decision Making. This program, too, is designed such that all >100 Pediatric Residents take part before graduation. Developmental-Behavioral Pediatrics and ADHD electives, available for PL2 and PL3 residents and tailored to individual interests, remain popular electives among the trainees.

The Division of Developmental Behavioral Pediatrics supports 3 growing fellowship programs. The Division’s Child Abuse Fellowship lasts three years and covers patient care and procedural skills, interpersonal and communication skills, medical knowledge, problem-based learning, system-based practice, and professionalism. Our Adolescent Medicine fellowship covers the support and guidance of future adolescent medicine physicians to promote the optimal health and well-being of all adolescents and young adults. The Division’s fellowship in Developmental Behavioral Pediatrics emphasizes the evaluation of development and behavior and treatment of developmental disabilities.

As the Division began in 2017, there were no fellowship programs in these areas. To date, each program has filled its allotted fellowship slots during the match process (100% match rate). As we go into 2022, the second or third rounds (for Dev-Beh Pediatrics) of matches have shown that our allotted slots filled again.
Fellows within the Division as of July 2021 include:

-Margaret K. Hoge, M.D.
Developmental Behavioral Pediatrics

-Erica Bohmer, M.D.
Child Abuse

-Julia Durante, M.D.
Adolescent Medicine

Research Activities

- Funded through the Center for Disease Control (CDC) and the Spina Bifida Association of America, the Spina Bifida Program at TSRHC is a selected site participant in the Center for Disease Control’s National Spina Bifida Patient Registry and continues to be a contributor to outcome studies and papers from the Registry.

- Whole Genome Sequencing for Monozygotic Twins with Myelomeningocele, Verónica Meneses, Jonathon Rios, et al. Funded through the TSRHC Research Center, Dallas.

- Six Minute Walk Test in Children/Youth with Spina Bifida. Funded through the TSRHC Research Center, Dallas.

- The Impact of the 2020 Pandemic on Pediatric Faculty: Measures of Quality of Life and Workplace Stressors. Funded through the TSRHC Research Center, Dallas.

- Psychotropic Medication Use in Children and Youth with Spina Bifida. Principal investigator is Verónica Meneses, M.D., and study personnel include Verónica Bordes Edgar, Ph.D., ABPP.

- Assessing Caregiver Stress in School-Age Specialized Pediatric Populations. Study personnel include Sari Bar, D.O., and Verónica Bordes Edgar, Ph.D., ABPP.

- Stress and Coping in Siblings of Children with Complex Medical Needs. Principal Investigators include Verónica Bordes Edgar, Ph.D., ABPP, Patricia Petroff, M.D., and Sari Bar, D.O.

- Development and Disability Across Various Phenotypes of 22q11.2 Deletion Syndrome. Principal Investigator is Verónica Bordes Edgar, Ph.D., ABPP.

- Implementing a Mindfulness Intervention in Children with Attention Deficit/Hyperactivity Disorder. Principal Investigators include Verónica Bordes Edgar, Ph.D., ABPP, and Sari Bar, D.O. Study personnel includes Verónica Meneses, M.D.

- Biologic Effects and Efficacy of Cerebellar Transcranial Direct Current Stimulation in Children with Autism Spectrum Disorder. Funded by the Department of Defense. Study Personnel includes Verónica Bordes Edgar, Ph.D., ABPP.

- First in human Clinical Trials and Natural History studies of rare diseases including Neuronal Ceroid Lipofuscinosis (CLN), Angelman syndrome, Gangliosidosis, Giant Axonal Neuropathy, and Peroxisome Biogenesis Disorders. Study personnel includes Verónica Bordes Edgar, Ph.D., ABPP.

- Natural History and Outcome Measure Discovery for Various Genetic Disorders including Charcot-Marie-Tooth 4J, Aspartylglucosaminuria, Variant Late Infantile Neuronal Ceroid Lipofuscinosis Type 7, and Mucopolysaccharidoses type IIIC. Funded through Neurogene, Inc. Study personnel includes Verónica Bordes Edgar, Ph.D. ABPP.

- Identification and Validation of disease- and phenotype-specific clinical endpoints for Childhood Onset Progressive Encephalopathy. Co-Investigator includes Verónica Bordes Edgar, Ph.D., ABPP.

- Caregiver Stress Among Foster, Kinship, and Biological Parents. Study personnel include Kim Stone, M.D., and Hilda Loria, M.D.

- Description of Complexity of Patients in Foster Care Population. Principal Investigator is Jill McLeigh, M.D., and study personnel includes Kim Stone, M.D.

- Empowering Youth Aging out of Foster Care. Principal Investigator is Kim Stone, M.D.

- Incidence and Clinical Predictors of Intracranial Hemorrhage in Children with Non-Accidental Trauma. Study personnel include Suzanne Dakil, M.D.

- Bruising patterns of children in the ED - a validation of the TEN-4 study. Study personnel include Suzanne Dakil, M.D.
• Safer at home: STIs in the era of COVID study. Study personnel include Suzanne Dakil, M.D.
• Incidence and type of fractures in children with osteopenia of prematurity study. Study personnel include Suzanne Dakil, M.D.
• Supporting Long-Acting Reversible Contraception (LARC) for Adolescents through Community-Based Connections. Funded through the Program for the Development and Evaluation of Model Community Health Initiatives in Dallas (PDEMCID). Principal Investigator is Jenny Francis, M.D.
• Supporting the Uptake of Long Acting Reversible Contraception (LARC) for Adolescents in Foster Care. Funded through Children’s Clinical Research Advisory Committee (CCRAC). Principal Investigator is Jenny Francis, M.D.
• Use of Long Acting Reversible Contraception. Funded through National Institutes of Health K23 Award. Principal Investigator is Jenny Francis, M.D.
• Reducing Missed Opportunities in HPV Vaccination in Pediatric Programs at Children’s Health. Funded through American Cancer Society HPV Cancer Free Texas. Principal Investigator is Jenny Francis, M.D.
• Evaluating LARC uptake among vulnerable adolescents: Understanding the barriers to LARC procedures in the inpatient setting. Funded through Merck Investigator Studies Program. Principal Investigator is Jenny Francis, M.D.

Clinical Activities

The hands-on, direct provision of expert clinical care to the tremendous number of high-risk / vulnerable children in our region of the state remains the invaluable contribution to the Department of Pediatrics and to the community. Division faculty provide teaching, outpatient care, and consultation through clinics situated at Children’s Health (Dallas and Plano), at Texas Scottish Rite Hospital for Children (Dallas), and at the UTSW Frisco facility. The eleven clinics involved serve as sites for patient care, resident and medical student education, and clinical research. The Division’s faculty remain creative and highly productive in finding new and improved avenues through which to address the needs of this growing population of at-risk children across the DFW area. Several examples from the past year are noteworthy and reflective of the similar work across all component programs in the Division:

The Division’s Foster Care Program
• Implemented HealthySteps, an evidence-based program from Zero to Three that integrates a HealthySteps specialist into pediatric primary care for patients aged 0-3. The Rees-Jones Center for Foster Care Excellence is the first primary care clinic in the nation’s HealthySteps program that is dedicated to serving children in the child welfare system.
• With financial support from the program for the Development and Evaluation of Model Community Health Initiatives in Dallas (PDEMCID) and the American Academy of Pediatrics, Dr. Kim Stone has initiated a program “Empowering Youth Aging Out of Foster Care: Community Engaged Development of Technology Solutions to Improve Transitions to Independent Living”.
• Expanded the reach to serve vulnerable children and families by increasing access and continuity of care through telehealth for foster families.
• Expanded the patient population to include children reunited with their biological families and children previously seen in our clinic and who were adopted from foster care.
• Improved efforts to promote diversity, equity, and inclusion through the Program’s continued participation as a pilot site for the National Child Traumatic Stress Network’s Trauma-Informed Organizational Assessment and the Johns Hopkins Racially Just Trauma-Informed Pediatric Integrated Care Collaborative.

The Division’s Developmental-Behavioral Pediatrics Clinic Program
• Has increased substantially the volume of patients seen and new patients enrolled (see expanding growth rates reflected in the charts below).
• Provision of enhanced clinic space at CHST in 2022 should support continued growth.
• The number of patients seen through the Down Syndrome Clinic is likewise continuing at a remarkable growth rate over the past 3.5 years since the Division began oversight and re-structuring the patient care programming for these children.
• The Division faculty in Dev-Beh Pediatrics are now key participants in the 22q11 Deletion Syndrome Multidisciplinary Clinic.
The Division faculty in Dev-Beh Pediatrics began in 2021 a joint planning effort with the Division of Genetics to initiate an inter-disciplinary clinic program for children with Fetal Alcohol Syndrome; expectation is to begin accepting patients in 2022.

The Division’s Adolescent Medicine Program
- Dr. Brett Cooper has expanded the footprint of the Adolescent Medicine Program to the North Dallas region with new clinics in the UTSW Frisco facility and as a consultant to the Foster Care Program – Plano site.

The Division’s Dyslexia Program
- A new technology-driven approach to serving children with dyslexia has been shown to be effective and allows for broader application of services.

The Division’s Spina Bifida Program
- Was one of 9 selected sites to work in 2021 with an initiative through the American Academy of Pediatrics to demonstrate quality improvement changes to enhance the success of structured programming for transition services for these youth and their families.

**Patient Statistics**

DBP Patient Visits by Type and Specialty, and Location by Year

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Outpatient Visits</td>
<td>49</td>
<td>464</td>
<td>990</td>
<td>1,400</td>
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<tr>
<td>New Patient Visits</td>
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<td>220</td>
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<tr>
<td>Consults in Complex Care</td>
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<td>55</td>
<td>85</td>
<td>122</td>
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<tbody>
<tr>
<td>Outpatient Visits</td>
<td>-----</td>
<td>120</td>
<td>403</td>
<td>302</td>
<td>589</td>
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<tr>
<td>New Patient Visits</td>
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<td>44</td>
<td>143</td>
<td>80</td>
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* began October 2018

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<td>In-Patient Admit/Consults</td>
<td>183</td>
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<td>300</td>
<td>305</td>
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</table>

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<tr>
<th>Complex Care Medical Services – CMC</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
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<tbody>
<tr>
<td>Outpatient Visits</td>
<td>1,665</td>
<td>1,944</td>
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<td>380</td>
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Adolescent and Young Adult Medicine – CMC

<table>
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<tbody>
<tr>
<td>Outpatient Visits</td>
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<td>732</td>
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Referral and Evaluation of At-risk Children (REACH) – CMC

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<th>2019</th>
<th>2020</th>
<th>2021</th>
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<tr>
<td>Outpatient Visits</td>
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<tr>
<td>Dallas</td>
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<td>1,629</td>
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<td>Plano</td>
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Inpatient/ED Visits

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<th>2021</th>
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<tbody>
<tr>
<td>Dallas</td>
<td>303</td>
<td>334</td>
<td>1,427</td>
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<td>Plano</td>
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<td>51</td>
<td>214</td>
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New Patient Visits

<table>
<thead>
<tr>
<th></th>
<th>2017</th>
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<th>2019</th>
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<th>2021</th>
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</thead>
<tbody>
<tr>
<td>Dallas</td>
<td>923</td>
<td>857</td>
<td>682</td>
<td>616</td>
<td>504</td>
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<td>Plano</td>
<td>144</td>
<td>116</td>
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<td>64</td>
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Rees-Jones Center for Foster Care Excellence – CMC

<table>
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<tr>
<th></th>
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<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
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<tbody>
<tr>
<td>Outpatient Visits</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Dallas</td>
<td>1,094</td>
<td>3,470</td>
<td>3,999</td>
<td>3,661</td>
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<tr>
<td>Plano</td>
<td>312</td>
<td>3,469</td>
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Rees-Jones Center for Foster Care – New Patient Visits

<table>
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<tr>
<th></th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
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</thead>
<tbody>
<tr>
<td>Dallas</td>
<td>276</td>
<td>664</td>
<td>791</td>
<td>645</td>
<td>556</td>
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<tr>
<td>Plano</td>
<td>144</td>
<td>605</td>
<td>563</td>
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Palliative Care *

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<tbody>
<tr>
<td>Inpatient Consults</td>
<td>------</td>
<td>------</td>
<td>159</td>
<td>401</td>
<td>2,362</td>
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<tr>
<td>Outpatient Consults**</td>
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<tr>
<td>New Patient Visits</td>
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<td>------</td>
<td>263</td>
<td>759</td>
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* began September 2019 ** began September 2020

Total Patient Encounters Across Division

<table>
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<tr>
<th></th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
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<tbody>
<tr>
<td>Total Patient Encounters</td>
<td>16,411</td>
<td>24,541</td>
<td>26,017</td>
<td>18,790</td>
<td>23,487</td>
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**Current Grant Support**

Richard Adams

**Grantor:** Centers for Disease Control & Prevention  
**Title of Project:** National Spina Bifida Patient Registry  
**Role:** Principal Investigator  
**Dates:** 09/2019 – 08/2024
Grantor: Texas Scottish Rite Hospital Research Center  
Title of Project: Six-Minute Walk Test in Children and Youth with Spina Bifida  
Role: Principle Investigator  
Dates: 11/2020 – 04/2023

Veronica Bordes Edgar
Grantor: Department of Defense  
Title of Project: Biologic Effects and Efficacy of Cerebellar Transcranial Direct Current Stimulation in Children with Autism Spectrum Disorder  
Role: Co-Investigator  
Dates: 07/2019 – 06/2022

Grantor: Neurogene, Inc.  
Title of Project: A Natural History and Outcome Measure Discovery Study of Charcot-Marie-Tooth 4J  
Role: Co-Investigator  
Dates: 04/2019 – 02/2022

Grantor: Taysha Gene Therapies  
Title of Project: Peroxisome Biogenesis Disorders (PBD) Gene Therapy Program  
Role: Co-Investigator  
Dates: 01/2021 – 12/2022

Grantor: Taysha Gene Therapies  
Title of Project: Gangliosidosis (GM2) Gene Therapy Program  
Role: Co-Investigator  
Dates: 01/2021 – 12/2022

Grantor: Taysha Gene Therapies  
Title of Project: Neuronal Ceroid Lipofuscinosis (CLN) Gene Therapy Program  
Role: Co-Investigator  
Dates: 01/2021 – 12/2022

Grantor: Taysha Gene Therapies  
Title of Project: Angelman Syndrome Gene Therapy Program  
Role: Co-Investigator  
Dates: 01/2021 – 12/2022

Grantor: Taysha Gene Therapies  
Title of Project: Giant Axonal Neuropathy (GAN) Gene Therapy Program  
Role: Co-Investigator  
Dates: 01/2021 – 12/2022

Jenny Francis  
Grantor: American Cancer Society HPV Cancer Free Texas  
Title of Project: Reducing Missed Opportunities in HPV Vaccination in Pediatric Programs at Children’s Health  
Role: Principal Investigator  
Dates: 01/2020 – 12/2022
**Grantor:** Children’s Medical Center: Children’s Clinical Research Advisory Committee (CCRAC) Award  
**Title of Project:** Supporting the Uptake of Long Acting Reversible Contraception (LARC) for Adolescents in Foster Care  
**Role:** Principal Investigator  
**Dates:** 09/2018 – 09/2022

**Grantor:** Merck Investigator Studies Program  
**Title of Project:** Evaluating LARC uptake among vulnerable adolescents: Understanding the barriers to LARC procedures in the inpatient setting  
**Role:** Principal Investigator  
**Dates:** 02/2021 – 01/2023

**Grantor:** NIH K23 – National Institute of Child Health & Human Development  
**Title of Project:** Use of Long-Acting Reversible Contraception  
**Role:** Principal Investigator  
**Dates:** 05/2019 – 04/2024

**Grantor:** UT Southwestern: Program for the Development and Evaluation of Model Community Health Initiatives in Dallas/ NIH-National Inst of Child Health & Human Development  
**Title of Project:** Supporting Long-Acting Reversible Contraception for Adolescents through Community-Based Connections  
**Role:** Principal Investigator  
**Dates:** 07/2018 – 01/2022

**Sheryl Frierson**  
**Grantor:** NICHD 1R01 HD089471  
**Title of Project:** Neurobiology and treatment of reading disabilities in NF1  
**Role:** Co-Investigator  
**Dates:** 09/2016 – 09/2022

**May Lau**  
**Grantor:** University of Wisconsin - Madison  
**Title of Project:** GENECIS Youth Advisory Board  
**Role:** Principal Investigator  
**Dates:** 09/2021 – 09/2022

**Hilda Loria**  
**Grantor:** American Academy of Pediatrics CATCH Program  
**Title of Project:** Dallas County Immigrant Child Health Collaborative  
**Role:** Principal Investigator  
**Dates:** 06/2021 - 06/2022

**Kimberly Stone**  
**Grantor:** American Academy of Pediatrics: Community Access to Child Health Planning Grant  
**Title of Project:** Empowering Youth Transitioning from Foster Care  
**Role:** Principal Investigator  
**Dates:** 06/2021 - 05/2022
**Grantor:** University of Texas Southwestern 2021 Program for the Development and Evaluation of Model Community Health Initiatives in Dallas Community-Based Research Pilot Award  
**Title of Project:** Empowering Youth Aging out of Foster Care: Community Engaged Technology Solutions to Improve Transitions to Independent Living  
**Role:** Principal Investigator  
**Dates:** 08/2021 - 07/2023

**Publications**


Book Chapters