2014 Research Annual Report

Mayerson Center for Safe and Healthy Children

Center Summary

RESEARCH AND TRAINING DETAILS

<table>
<thead>
<tr>
<th>Number of Faculty</th>
<th>4</th>
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<tbody>
<tr>
<td>Number of Joint Appointment Faculty</td>
<td>4</td>
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<tr>
<td>Number of Support Personnel</td>
<td>7</td>
</tr>
<tr>
<td>Direct Annual Grant Support</td>
<td>$298,448</td>
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<tr>
<td>Peer Reviewed Publications</td>
<td>8</td>
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CLINICAL ACTIVITIES AND TRAINING

<table>
<thead>
<tr>
<th>Number of Clinical Staff</th>
<th>7</th>
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<tbody>
<tr>
<td>Number of Clinical Fellows</td>
<td>2</td>
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<tr>
<td>Number of Other Students</td>
<td>45</td>
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<tr>
<td>Inpatient Encounters</td>
<td>64</td>
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<tr>
<td>Outpatient Encounters</td>
<td>1,706</td>
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Significant Accomplishments

**Childhood Trauma Reduction Collaborative**

The Mayerson Center has received two major gifts from the Dornette and Schmidlapp Foundations to improve our community’s recognition of and response to children exposed to trauma and adversity, otherwise known as toxic stress. Reducing childhood toxic stress exposure has become a public health priority and the subject of a national call to action. A child’s exposure to toxic stress can cause brain and other developmental changes resulting in lifelong learning difficulties, behavior problems, social maladaptation, physical illness and mental health disorders. Through these gifts the Mayerson Center will develop a community collaboration to screen for toxic stress, including the increased risk for adverse experiences, and improve the medical and community responses to trauma.

**Increased Trauma-Informed Mental Health Services**

Increasing the mental health interventions for children and families who have been affected by child abuse has become a Mayerson Center priority. Expanding capabilities to provide trauma-informed treatment to more children and families through additional staff and new services has helped to accomplish this strategic initiative.

The Mayerson Center now offers a new acute, short-term mental health treatment called Child Family Traumatic Stress Intervention (CFTSI). April Barker-Casey, LISW, has joined the Mayerson Center to provide
CFTSI, an intervention designed to help children and adolescents ages seven to 18 who have experienced potentially traumatic events such as sexual abuse, physical abuse, domestic violence, community violence, and accidents. The primary goals of CFTSI are to decrease post-traumatic symptoms and disorders and to identify individuals in need of more intensive treatment.

In a long standing collaboration with Behavioral Medicine and Clinical Psychology, children exposed to traumatic events and children evaluated for abuse and neglect have access to trauma-informed mental health services through the Mayerson Center. This program has expanded through the addition of a third full-time staff psychologist, Julie Tiemeier, PsyD, who joins Heather Bensman, PsyD, and Erica Messer, PsyD, in providing these much needed services.

National/International Training Expert
This year we celebrate the success of Messer, who was certified as a Level II Parent-Child Interaction Therapy (PCIT) trainer. PCIT is an evidence-based treatment supported by over 30 years of research and practice by PCIT providers throughout the U.S. and internationally (www.pcit.org). This therapy is useful for children ages two to seven who have disruptive behavior disorders and for parents who are at-risk for or requiring rehabilitation of physically abusive parenting. PCIT is an assessment-driven, criteria-based therapy which focuses on improving positive child behaviors through a strong parent-child relationship. Messer, one of fewer than 10 Level II trainers worldwide, conducts PCIT training workshops for clinicians around the world.

Division Publications


Faculty, Staff, and Trainees

Faculty Members

Robert Shapiro, MD, Professor

Leadership Division Director, Mayerson Center for Safe & Healthy Children; Program Director, Pediatric
Sexual Assault Nurse Examiner (PSANE)

**Research Interests** Child abuse diagnosis, Community indicators of maltreatment, medical child abuse, toxic stress

**Mary Greiner, MD, Assistant Professor**

**Leadership** Director, CHECK Foster Care Clinic-within General & Community Pediatrics

**Research Interests** Outcomes of children in Foster Care including: standardized screening; community collaboration for improving outcomes; infectious disease; mental health interventions and optimizing medical care for transitioning out of foster care.

**Brooks Keeshin, MD, Assistant Professor**

**Leadership** Mental Health Director, Mayerson Center for Safe and Healthy Children

**Research Interests** Trauma focused therapy for children with history of trauma; Acute and long term impact of abuse; Child abuse prevention in high risk populations

**Kathi Makoroff, MD, MEd, Associate Professor**

**Leadership** Medical Director, Mayerson Center for Safe and Healthy Children; Fellowship Director, Child Abuse Pediatrics; Director, Child Abuse Pediatrics Resident/Medical Student Elective; Medical Director, CME; Chair of CME Committee

**Research Interests** Head trauma, Bruises as indicators of abuse, Education, toxic stress

Joint Appointment Faculty Members

**Heather Bensman, PsyD, Assistant Professor** (Behavioral Medicine and Clinical Psychology)

**Research Interests** Treatment outcomes for children who have experienced trauma; Long-term impact of child abuse; Impact of trauma on physical health

**Elena Duma, MD, Assistant Professor** (Emergency Medicine)

**Research Interests** Education

**Erica Messer, PsyD,** Assistant Professor (Behavioral Medicine and Clinical Psychology)

**Research Interests** PCIT therapy; Child and Family Traumatic Stress Intervention; Children in foster care; Effects of maternal depression on children

**Julie Tiemier, PsyD,** Adjunct (Behavioral Medicine and Clinical Psychology)

**Research Interests** Child Trauma Interventions, including Trauma-Focused Cognitive-Behavioral therapy, Parent-Child Interaction therapy, and Combined Parent-Child Cognitive-Behavioral Therapy

Clinical Staff Members

- **April Barker-Casey, MSW, LISW-S,**  
  *CFTSI Therapist*
- **Tracy Colliers, MSW, LSW,**  
  *Post Injury Clinic Coordinator*
- **Mina DeVine, RN-1,**  
  *PSANE*
- **Cecilia Freihofe, MSW, LISW,**  
  *HIV follow-up specialist*
- **Alex Kruthaupt, BS**
- **Heidi Malott, MSW, LISW-S,**  
  *Clinical Program Manager*
• Andrea Powers, LISW-S, ACSW, BCD,
  *Darkness to Light/Stewards of Children Facilitator*

• Andrea Richey, MSW, LSW,
  *Darkness to Light/Stewards of Children Facilitator*

• Kaitlin Riffle, RN-2,
  *PSANE Program and Education Coordinator*

Trainees
• Melissa Jimenez, MD, PGY-6, Tulane University
• Kirsten Simonton, MD, PGY-5

**Division Collaboration**

Epigenetic Underlying PTSD Related to Child Abuse. (Robert Shapiro, MD and Kathi Makoroff, MD)
  *Biostatistics and Epidemiology* » Ping-I (Daniel) Lin, MD, PhD

The Relationship of Parental ACE Scores to Child Health. (Robert Shapiro, MD and Kathi Makoroff, MD)
  *Biostatistics and Epidemiology* » Alonzo (Ted) Folger, PhD, MS

Clinical Decision Rules to Discriminate Bruising. (Kathi Makoroff, MD)
  *Emergency Medicine* » Berkeley Bennett, MD

I-InTERACT RCT Study. (Kathi Makoroff, MD)
  *Physical Medicine and Rehabilitation* » Shari Wade, PhD

Psychological Services for Safe and Healthy Families. (Robert Shapiro, MD, and Brooks Keeshin, MD)
  *Behavioral Medicine and Clinical Psychology* » Erica Pearl Messer, PsyD, Julie Tiemeier, PsyD, and Heather Bensman, PsyD

Skeletal survey study looking at utility of head CT in children with single extremity fractures. (Kathi Makoroff, MD)
  *Emergency Medicine* » Berkeley Bennett, MD

Benign Enlargement of Subarachnoid Spaces and Abusive Head Trauma
  (Mary Greiner, MD)
  *Radiology* » Marguerite Care, MD and James Leach, MD

Nonconvulsive Status Epilepticus and Abusive Head Trauma
  (Mary Greiner, MD)
  *Neurology* » Hans Greiner, MD and Katie Holland, MD, PhD

**Grants, Contracts, and Industry Agreements**

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<tr>
<th>Grant and Contract Awards</th>
<th>Annual Direct</th>
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**Victims of Crime Assistance**
Department of Justice(Crime Victims Assistance Office)
<table>
<thead>
<tr>
<th>Project Title</th>
<th>Organization</th>
<th>Start Date</th>
<th>End Date</th>
<th>Amount</th>
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<tr>
<td><strong>Child Abuse Prevention and Treatment</strong></td>
<td>Administration for Children and Families (Ohio Department of Jobs and Family Services)</td>
<td>07/01/13-06/30/15</td>
<td>$73,024</td>
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<td><strong>National Children's Alliance</strong></td>
<td>Department of Justice</td>
<td>01/01/14-12/31/19</td>
<td>$9,000</td>
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<td><strong>Center for Trauma Recovery and Juvenile Justice</strong></td>
<td>Substance Abuse and Mental Health Services Administration (University of Connecticut Health Center)</td>
<td>09/30/12-09/29/16</td>
<td>$114,137</td>
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<td><strong>Trauma Focused Cognitive Behavioral Therapy Consultation</strong></td>
<td>Indiana Department of Child Services</td>
<td>11/1/13-10/31/14</td>
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<td><strong>Center for Trauma Recovery and Juvenile Justice</strong></td>
<td>Ohio Department of Health (Ohio University College of Osteopathic Medicine)</td>
<td>09/30/13-12/31/13</td>
<td>$4,200</td>
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**Current Year Direct** $298,448

**Funded Collaborative Efforts**

<table>
<thead>
<tr>
<th>Project Title</th>
<th>Organization</th>
<th>Start Date</th>
<th>End Date</th>
<th>Amount</th>
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<td><strong>Clinical Decision Rules to Discriminate</strong></td>
<td>National Institutes of Health</td>
<td>04/01/11-3/31/16</td>
<td>10%</td>
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**Total $298,448**