

Sarah Leasure Reeves, PhD, MPH
Research Assistant Professor
Department of Pediatrics
Child Health Evaluation and Research (CHEAR) Center
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Education and Training

09/2002-06/2006	BS, Biology University of Michigan, Ann Arbor, MI
09/2007-05/2009	MPH, Epidemiology University of Michigan, Ann Arbor, MI
09/2009-12/2013	PhD, Epidemiologic Science University of Michigan, Ann Arbor, MI Dissertation Topic: <i>Opportunities to Improve Transcranial Doppler Screening Among Children with Sickle Cell Disease</i>
01/2014-12/2015	Postdoctoral Fellowship Department of Epidemiology; Department of Pediatrics University of Michigan, Ann Arbor, MI

Academic, Administrative, and Clinical Appointments

09/2018-present	Research Assistant Professor, Department of Pediatrics University of Michigan, Ann Arbor, MI
01/2018-present	Research Assistant Professor, Department of Epidemiology University of Michigan, Ann Arbor, MI
01/2016-08/2018	Research Investigator, Department of Pediatrics and Communicable Diseases, Child Health Evaluation and Research (CHEAR) Center University of Michigan, Ann Arbor, MI

Research Interests

My research seeks to identify and reduce health disparities among children with chronic conditions. My work to date has focused on a specific vulnerable population - children with sickle cell disease (SCD). Current research topics include receipt of preventive care among children with SCD, such as stroke prevention efforts and antibiotics. Methodological work includes the use of administrative claims to accurately identify children with chronic conditions.

Grants

Present and Active Grants

Extramural Grants

Sponsor and Grant Number: National Heart, Lung, and Blood Institute (1K01HL132057-01)

Title: *Identifying Opportunities to Improve Hydroxyurea Therapy Initiation and Adherence among Children with Sickle Cell Disease*

Principal Investigator: Sarah L Reeves

Dates: 09/2016 – 05/2021

Role: Principal Investigator

Funding Amount: \$626,444

Sponsor and Grant Number: Department of Health and Human Services – Agency for Healthcare Research and Quality (1U18HS025292-01)

Title: *QMETRIC Implementation and Quality Improvement*

Principal Investigator: Gary Freed

Dates: 09/2016 - 09/2020

Role: Co-Investigator / Field Testing Team Leader

Funding Amount: \$2,603,220

Intramural Grants

Sponsor and Grant Number: Department of Pediatrics and Communicable Diseases; Pediatric Health Disparities Award

Title: *Missed Opportunities for the Receipt of Preventive Care Among Children with Sickle Cell Disease Enrolled in Private Insurance*

Principal Investigator: Sarah L Reeves

Project Period: 01/2017-12/2017

Role: Principal Investigator

Funding Amount: \$15,000

Sponsor and Grant Number: Percy and Mary Murphy Endowed Children's Research Fund

Title: *Fragmentation of Care among Children with Sickle Cell Disease*

Principal Investigator: Sarah L Reeves

Project Period: 01/2017-12/2017

Role: Principal Investigator

Funding Amount: \$22,985

Previous Grants

Sponsor and Grant Number: Blue Cross Blue Shield Michigan Foundation (2149.ii)

Title: *Variation in Health Services Use Among Children with Sickle Cell Trait*

Principal Investigator: Sarah L Reeves

Dates: 05/2015-11/2017

Role: Principal Investigator

Funding Amount: \$75,000

Sponsor and Grant Number: Center for Integrative Approaches to Health Disparities
(NIH/NIHMD 2P60MD002249 Internal Pilot Funding)
Title: *Relationships between Ethnicity, Availability and Use of Rehabilitation Facilities Among Stroke Survivors in Nueces County, Texas*
Principal Investigator: Sarah L Reeves
Dates: 01/2014-12/2014
Role: Principal Investigator
Funding Amount: \$20,000

Sponsor and Grant Number: American Heart Association Predoctoral Fellowship
(11PRE7590124)
Title: *Missed Opportunities for Transcranial Doppler Screening Among Children with Sickle Cell Disease*
Principal Investigator: Sarah L Reeves
Dates: 07/2011-06/2013
Role: Principal Investigator
Funding Amount: \$52,000

Honors and Awards

2018-2020	NIH Loan Repayment Renewal, National Heart Lung and Blood Institute
2016-2018	NIH Loan Repayment Award, National Heart Lung and Blood Institute
2015	Top Reviewer, American Journal of Preventive Medicine
2015	Fellow Award, Clinical Investigation/Health Services Research, Department of Pediatrics, University of Michigan
2009-2013	Rackham Merit Fellowship, University of Michigan
2008, 2009	Dean's Award, University of Michigan
2002-2006	Robert C Byrd Honors Scholarship, US Department of Education
2002-2003	Michigan Merit Award, State of Michigan

Membership in Professional Societies

2016-present	Institute for Healthcare Policy and Innovation, University of Michigan
2017-present	Society for Epidemiologic Research
2018-present	AcademyHealth

Editorial Positions, Boards, and Peer-Review Service

Ad hoc Manuscript Review

2015-present	American Journal of Preventive Medicine
2016-present	Pediatrics
2016-present	BMC Neurology
2017-present	Blood Advances
2018-present	The Journal of Pediatrics
2018-present	Public Health Reports

Abstract Review

2015 American Public Health Association
2017-present Society for Epidemiologic Research

Teaching

Mentoring

2016-2017 UROP Research Scholars Advisor for Halimat Olaniyan, Undergraduate Student
2017-present Internship and Thesis Advisor for Jennifer Proto, BA, MPH Candidate
2017-present Dissertation Consultant for Clare Donohue, School of Nursing
2018-present Thesis Advisor for Kelsie McVeety, Genetic Counseling Masters Candidate

Classroom Instruction

2012-2013 Guest Lecturer, Neurology and Sleep Journal Clubs
University of Michigan, Ann Arbor, MI

07/2013 Graduate Student Instructor, Introduction to SAS
University of Michigan, Ann Arbor, MI

07/2013 Graduate Student Instructor, Intermediate Epidemiologic Methods (online)
University of Michigan, Ann Arbor, MI

2011 Graduate Student Instructor, Field Studies in Epidemiology
University of Michigan, Ann Arbor, MI

2010 Graduate Student Instructor, Principles and Methods of Epidemiology
University of Michigan, Ann Arbor, MI

2009-2010 Graduate Student Instructor, Introduction to Statistics and Data Analysis
University of Michigan, Ann Arbor, MI

2009 Graduate Student Instructor, Statistical Principles for Problem Solving
University of Michigan, Ann Arbor, MI

Presentations

Extramural Invited Seminars

02/2017 *Using Newborn Screening Records and Administrative Claims to Identify Opportunities for Improvement in the Health of Children with Sickle Cell Disease*
Epidemiology Seminar Series, MDHHS

Intramural Invited Seminars

10/2017 *The Elephant No One Knows is in the Room: ICD-10 transition*
CHEAR Work-In-Progress Seminar

- 05/2017 *Hydroxyurea: Opportunities for Improvement*
CHEAR Work-In-Progress Seminar
- 04/2016 *Sickle Cell Trait: Benign or a Big Deal?*
Vascular Neurology Lecture Series
- 06/2015 *Receipt of Preventive Care Among Children with Sickle Cell Disease*
Health Services Research Seminar, Department of Pediatrics
- 04/2015 *Disparities in Stroke: The Potential Role of Rehabilitation*
Center for Integrative Approaches to Health Disparities Meeting
- 03/2013 *Transcranial Doppler Screening Among Children with Sickle Cell Disease*
Vascular Neurology Lecture Series

Platform Presentations

1. **Reeves, SL**, Garcia, E, Kleyn, M, Housey, M, Stottlemeyer, R, Lyon-Callos, S, Dombkowski, KJ (June 2014). *Identifying Sickle Cell Disease Cases Using Administrative Claims*. AcademyHealth Annual Research Meeting, Child Health Services Research Interest Group, San Diego, CA.
2. **Reeves, SL**, Garcia, E, Kleyn, M, Housey, M, Stottlemeyer, R, Lyon-Callos, S, Dombkowski, KJ (November 2014). *Identifying Sickle Cell Disease Cases Using Administrative Claims*. Pediatric Research Symposium; Ann Arbor, MI.
3. **Reeves, SL**, Madden, B, Freed, G, Dombkowski, KJ (October 2015). *Antibiotic Prophylaxis Among Children with Sickle Cell Disease*. AHRQ Research Meeting; Arlington, VA.
4. **Reeves, SL**, Wing, JJ, Baek, J, Morgenstern, LB, Skolarus, L, Lisabeth, LD (November 2015). *Relationship between geographic availability of rehabilitation venues and post-stroke discharge location in the Brain Attack Surveillance in Corpus Christi (BASIS) Project*. American Public Health Association Annual Meeting; Chicago, IL.
5. **Reeves, SL**, Madden, B, Freed, G, Dombkowski, KJ (November 2015). *Antibiotic Prophylaxis Among Children with Sickle Cell Disease*. Pediatric Research Symposium, Ann Arbor, MI.

Committee, Organizational, And Volunteer Service

Institutional

- 2016-2017 Advisor, UROP Research Scholars Program
- 2016-2018 Liaison, Primary Care Research Program
- 2016-present Abstract Review, UM Pediatrics Residency Scholarly Activity Program
- 2016-present Primary Care Small Grants Review Committee
- 2017-present Advisor, Epidemiology Internship

2017-present Facilitator, Understanding and Improving the US Healthcare System Small Group
 2017-present Facilitator, Pediatric Resident Journal Club
 2017-present Faculty participant, IHPI Summer Lunch and Learn
 2018-present Member, IHPI Education and Training Work Group
 2018-present Coordinator, CHEAR Summer Internship Training Program
 2018-present Coordinator, CHEAR Methods Seminar Series
 2018-2019 Coordinator, Pediatric HSR Seminar Series
 2019-present Co-Chair, Annual Pediatric Research Day

Regional

2015-present Member, Hematology Quality Improvement Committee (HemQIC); Michigan Department of Health and Human Services

Volunteer Service

2010-present Director, Helping Hands Respite Night
 2003-2010 Partner, Trail's Edge Camp for Ventilator Dependent Children

Bibliography

Peer-Reviewed Publications

1. Dombkowski, KJ, **Reeves, SL**, Stevenson, J, Dong, S, Clark, SJ. *Assessing the Burden of Undeliverable Immunization Reminder and Recall Notifications*. Preventive Medicine. 2011 Dec;53(6):424-6.
2. **Reeves, SL**, Brown, D, Chervin, R, Morgenstern, LB, Smith, M, Lisabeth, LD. *Agreement Between Stroke Patients and Their Spouses or Children for Ascertaining Pre-Stroke Risk of Sleep Apnea*. Sleep Medicine. 2014 Jan;15(1):121-4.
3. **Reeves, SL**, Garcia, E, Kleyn, M, Housey, M, Stottlemeyer, R, Lyon-Callo, S, Dombkowski, KJ. *Identifying Sickle Cell Disease Cases Using Administrative Claims*. Academic Pediatrics. 2014 Sep-Oct;14(5 Suppl):S61-7.
4. Nero, AC, Akuete, K, **Reeves, SL**, Dombkowski, KJ. *Pneumococcal Vaccination Rates in Children With Sickle Cell Disease*. Journal of Public Health Management and Practice. 2014 Nov-Dec;20(6):587-90.
5. **Reeves, SL**, Braun, T, Dombkowski, KJ, Fullerton, HJ, Boulton, ML, Lisabeth, LD. *The Role of Neighborhoods in the Receipt of Transcranial Doppler Screening Among Children with Sickle Cell Disease*. Journal of Pediatric Hematology / Oncology. 2015 May;37(4):269-73.
6. **Reeves, SL**, Fullerton, HJ, Dombkowski, KJ, Boulton, ML, Braun, T, Lisabeth, LD. *Physician Attitude, Awareness and Knowledge Regarding Guidelines for Transcranial Doppler Screening in Sickle Cell Disease*. Clinical Pediatrics. 2015 Apr;54(4):336-45.

7. Clark, S, **Reeves, SL**, Gebremariam, A, Stokely, S, Dombkowski, KJ. *Communication From Primary Care Practices Regarding Adolescent Immunizations*. Clinical Pediatrics. 2015 Oct;54(11):1107-9.
8. **Reeves, SL**, Brown, D, Baek, J, Morgenstern, LB, Lisabeth, LD. *Ethnic Differences in Post-Stroke Quality of Life among Stroke Survivors in the Brain Attack Surveillance in Corpus Christi (BASIC) Project*. Stroke. 2015 Oct;46(10):2896-901.
9. **Reeves, SL**, Fullerton, HJ, Cohn, LM, Dombkowski, KJ, Braun, T, Boulton, ML, Lisabeth, LD. *Missed Opportunities for Transcranial Doppler Screening Among Children with Sickle Cell Disease*. Clinical Pediatrics. 2016 Oct;55(12):1093-6.
10. **Reeves, SL**, Madden, B, Freed, G, Dombkowski, KJ. *Transcranial Doppler Screening Among Children with Sickle Cell Anemia*. JAMA Pediatrics. 2016 Jun;170(6):550-6.
11. Dombkowski, KJ, Cowan, AE, **Reeves, SL**, Foley, MR, Dempsey, AF. *The Impacts of Reminder/Recall on Adolescent Influenza Vaccination*. Vaccine. 2017 Apr;35(23):3089-3095.
12. **Reeves, SL**, Madden, B, Freed, G, Dombkowski, KJ. *Antibiotic Prophylaxis Among Children with Sickle Cell Anemia*. Pediatrics. Epub 02/05/2018.
13. **Reeves, SL**, Jary, HK, Gondhi, JP, Kleyn, M, Wagner, AL, Dombkowski, KJ. *Pneumococcal Vaccination Coverage among Children with Sickle Cell Anemia, Sickle Cell Trait, and Normal Hemoglobin*. Pediatric Blood & Cancer (In Press).
14. **Reeves, SL**, Freed, GL. *The Elephant That No One Knows is in the Room: Quality Measurement in the ICD-10 Era*. JAMA Pediatrics (In Press).

Published Peer-Reviewed Quality Measures

1. Dombkowski KJ, **Reeves SL**, Madden BW, Shevrin CA, McCormick J, Freed GL for the Quality Measurement, Evaluation, Testing, Review, and Implementation Consortium. Transcranial Doppler ultrasonography screening for children with sickle cell disease. National Quality Measures Clearinghouse (NQMC). Rockville (MD): Agency for Healthcare Research and Quality (AHRQ). Published November 3, 2014. <http://www.qualitymeasures.ahrq.gov/content.aspx?id=47887>.
2. Macy ML, Freed GL, **Reeves SL**, Madden BW, McCormick J, Faasse T, Dombkowski KJ for Quality Measurement Evaluation, Testing, Review, and Implementation Consortium. Overuse of imaging for the evaluation of children with simple febrile seizure. National Quality Measures Clearinghouse, Rockville (MD): Agency for Healthcare Research and Quality (AHRQ). Accepted February 10, 2016.
3. Macy ML, Freed GL, **Reeves SL**, Madden BW, McCormick J, Faasse T, Dombkowski KJ for Quality Measurement Evaluation, Testing, Review, and Implementation Consortium. Overuse of imaging for the evaluation of children with primary headache.

National Quality Measures Clearinghouse, Rockville (MD): Agency for Healthcare Research and Quality (AHRQ). Accepted February 10, 2016.

4. Macy ML, Freed GL, **Reeves SL**, Madden BW, McCormick J, Faasse T, Dombkowski KJ for Quality Measurement Evaluation, Testing, Review, and Implementation Consortium. Overuse of imaging for the evaluation of children with post-traumatic headache. National Quality Measures Clearinghouse, Rockville (MD): Agency for Healthcare Research and Quality (AHRQ). Accepted February 10, 2016.
5. Macy ML, Freed GL, **Reeves SL**, Madden BW, McCormick J, Faasse T, Dombkowski KJ for Quality Measurement Evaluation, Testing, Review, and Implementation Consortium. Ratio of magnetic resonance imaging scans to computed tomography scans for the evaluation of children with atraumatic headache. National Quality Measures Clearinghouse, Rockville (MD): Agency for Healthcare Research and Quality (AHRQ). Accepted February 10, 2016.
6. Macy ML, Freed GL, **Reeves SL**, Madden BW, McCormick J, Faasse T, Dombkowski KJ for Quality Measurement Evaluation, Testing, Review, and Implementation Consortium. Ratio of magnetic resonance imaging scans to computed tomography scans for the evaluation of children with atraumatic seizure. National Quality Measures Clearinghouse, Rockville (MD): Agency for Healthcare Research and Quality (AHRQ). Accepted February 10, 2016.
7. Macy ML, Freed GL, **Reeves SL**, Madden BW, McCormick J, Faasse T, Dombkowski KJ for Quality Measurement Evaluation, Testing, Review, and Implementation Consortium. Overuse of computed tomography scans for the evaluation of children with a first generalized afebrile, atraumatic seizure. National Quality Measures Clearinghouse, Rockville (MD): Agency for Healthcare Research and Quality (AHRQ). Accepted February 10, 2016.
8. Lewis TC, Grossman KS, Freed GL, Madden BW, McCormick J, **Reeves SL**, Shevrin CA, Dombkowski KJ for the Quality Measurement Evaluation, Testing, Review, and Implementation Consortium. Education in proper use of new asthma medication delivery device for children with asthma. National Quality Measures Clearinghouse, Rockville (MD): Agency for Healthcare Research and Quality (AHRQ). Accepted March 2, 2016.
9. **Reeves, SL**, Freed, GL, Madden, BW, Shevrin, CA, McCormick, J, Dombkowski, KJ. *Transcranial Doppler screening Among Children with Sickle Cell Anemia*. Endorsed by the National Quality Forum (NQF); May 2016.
10. **Reeves, SL**, Freed, GL, Madden, BW, Shevrin, CA, McCormick, J, Dombkowski, KJ. *Antibiotic Prophylaxis Among Children with Sickle Cell Anemia*. Endorsed by the National Quality Forum (NQF); June 2017.

Abstracts

1. **Leasure, S**, Dombkowski, KJ, Nickles, A (October 2008). *Evaluating the Accuracy of Parent Contact Information in Michigan Care Improvement Registry (MCIR)*. Annual Epidemiology Poster Session, Ann Arbor, MI
2. Dombkowski, KJ, **Leasure, S**, Nickles, A, Clark, SJ (March 2009). *Return to Sender: Assessing Immunization Recall Notification Success*. 43rd National Immunization Conference, Dallas, TX.
3. Sealy-Jefferson, S, **Reeves, SL**, Wing, JJ, Smith, M, Morgenstern, LB, Lisabeth, LD (June 2010). *Ethnic-Specific Sex Differences in Stroke Risk*. Society for Epidemiological Research Conference, Seattle, WA.
4. **Reeves, SL**, Brown, D, Chervin, R, Morgenstern, LB, Smith, M, Lisabeth, LD (March 2012). *Fair Agreement Between Stroke Patients and Family Members for Ascertaining Pre-Stroke Risk of Sleep Apnea*. Epidemiology and Prevention / Nutrition, Physical Activity and Metabolism Scientific Sessions, San Diego, CA.
5. **Reeves, SL**, Lisabeth, LD (December 2012). *Healthcare Utilization Among Children with Sickle Cell Disease in Michigan Medicaid*. Summit on the Science of Eliminating Health Disparities, National Harbor, MD.
6. **Reeves, SL**, Fullerton, HJ, Dombkowski, KJ, Lisabeth, LD (February 2013). *Physician Knowledge Regarding Transcranial Doppler Screening Recommendations Among Children with Sickle Cell Disease*. International Stroke Conference, Honolulu, HI.
7. **Reeves, SL**, Dombkowski, KJ, Fullerton, HJ, Cohn, LM, Lisabeth, LD (February 2013). *Missed Opportunities for Transcranial Doppler Screening Among Children with Sickle Cell Disease*. International Stroke Conference, Honolulu, HI.
8. **Reeves, SL**, Lisabeth, LD, Fullerton, HJ, Dombkowski, KJ (May 2013). *Physician Attitudes Toward Transcranial Doppler Screening Among Children with Sickle Cell Disease*. Pediatric Academic Societies Annual Meeting, Washington, DC.
9. **Reeves, SL**, Dombkowski, KJ, Fullerton, HJ, Braun, T, Lisabeth, LD (February 2014). *The Role of Neighborhoods in the Receipt of Transcranial Doppler Screening Among Children with Sickle Cell Disease*. International Stroke Conference, San Diego, CA.
10. **Reeves, SL**, Lisabeth, LD (April 2014). *Missed Opportunities for Transcranial Doppler Screening Among Adolescents with Sickle Cell Disease*. Adolescent Health Initiative, Ypsilanti, MI.
11. **Reeves, SL**, Garcia, E, Kleyn, M, Housey, M, Stottlemeyer, R, Lyon-Callo, S, Dombkowski, KJ (June 2014). *Identifying Sickle Cell Disease Cases Using Administrative Claims*. AcademyHealth Annual Research Meeting, San Diego, CA.

12. **Reeves, SL**, Brown, D, Baek, J, Morgenstern, LB, Lisabeth, LD (February 2015). *Ethnic Differences in Post-Stroke Quality of Life in the Brain Attack Surveillance in Corpus Christi (BASIC) Project*. International Stroke Conference, Nashville, TN.
13. **Reeves, SL**, Aaron, M, Fuentes, M, Morgenstern, LB, Lisabeth, LD (February 2015). *Ethnicity and the Availability of Rehabilitation Facilities in the Brain Attack Surveillance in Corpus Christi Project*. International Stroke Conference, Nashville, TN.
14. **Reeves, SL**, Madden, B, Freed, G, Dombkowski, KJ (June 2015). *Assessing Trends in Transcranial Doppler Screening Among Children with Sickle Cell Disease*. AcademyHealth Annual Research Meeting, Child Health Services Research Interest Group, Minneapolis, MN.
15. **Reeves, SL**, Baek, J, Wing, JJ, Skolarus, LE, Morgenstern, LB, Lisabeth, LD (February 2016). *Factors Influencing Post-Stroke Discharge to Institutional Rehabilitation Settings Versus Home*. International Stroke Conference, Los Angeles, CA.
16. Tarini, B, Kleyn, M, **Reeves, SL**, Simancek, D, Zayas-Caban, G (March 2016). *What Predicts NBS Specimen Timeliness in a State-Based Cohort of Birthing Hospitals?* APHL Newborn Screening and Genetic Testing Symposium, St. Louis, MO.
17. Macy, ML, **Reeves, SL**, Dombkowski, KJ, Freed, GL (May 2016). *Assessing Imaging Overuse among Children with Post-Traumatic Headache*. Pediatric Academic Societies Meeting, Baltimore, MD.
18. **Reeves, SL**, Kleyn, M, Dong, S, Garcia, E, Dombkowski, KJ (May 2016). *Identifying Children with Sickle Cell Trait to Assess Population-Based Health Outcomes*. Pediatric Academic Societies Meeting, Baltimore, MD.
19. Macy, M, **Reeves, SL**, Dombkowski, KJ, Freed, GL (May 2017). *Overuse of Neuroimaging for Children with Primary Headache*. Pediatric Academic Societies meeting, San Francisco, CA.
20. **Reeves, SL**, Jary, HK, Gondhi, JP, Kleyn, M, Dombkowski, KJ (November 2017). *Pneumococcal Vaccinations among Children with Sickle Cell Trait, Anemia, and Normal Hemoglobin*. Pediatric Research Symposium, Ann Arbor, MI.
21. Jary, HK, Gondhi, JP, Kleyn, M, Dombkowski, KJ, **Reeves, SL** (November 2017). *Health Outcomes among Children with Sickle Cell Disease, Sickle Cell Trait, and Normal Hemoglobin*. Pediatric Research Symposium, Ann Arbor, MI.
22. Gondhi, JP, Jary, HK, Kleyn, M, Dombkowski, KJ, **Reeves, SL** (November 2017). *Distribution and Demographic Characteristics of Sickle Cell Trait Births in Michigan*. Pediatric Research Symposium, Ann Arbor, MI.

23. **Reeves, SL**, Dombkowski, KJ (May 2018). *Hydroxyurea Use and Initiation among Children with Sickle Cell Anemia*. Pediatric Academic Societies Meeting; Toronto, ON.