

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Lee M. Sanders, MD, MPH		POSITION TITLE Associate Professor of Pediatrics Stanford University	
eRA COMMONS USER NAME leesanders			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Harvard University	BA	1990	History and Science
Stanford University	MD	1994	Medicine
University of California, Berkeley	MPH	2000	Epidemiology

A. Personal Statement

My experiences as a health-literacy scholar, an obesity researcher, and a general pediatrician make me uniquely suited to serve as co-investigator on this grant. In my early scholarly work, funded by the RWJ Foundation and in partnership with Florida's Agency for Health Care Administration, I gained experience linking survey data, including maternal health literacy, with administrative data documenting child-health use patterns. As co-author to some of the first primary data and review articles to document the role health literacy in child health, I am aware of the critical gaps in our knowledge as well as the opportunities for identifying clinically meaningful roles of maternal health literacy as a modifiable cause of some child health disparities. In my R01, I am developing low-literacy materials as part of a randomized, controlled trial aimed to attenuate hypothesized health-literacy sensitive disparities in obesity during early childhood. As a PI on active federally-funded grants, I have become experienced with integrating measures of maternal literacy into larger scholarly projects examining child health promotion in controlled research environments (birth cohort study funded by NIDA), clinical settings (academic pediatric primary care clinics) and community settings (early child-care settings). All of this scholarly work has been dependent upon active collaboration across multiple disciplines (health services research, behavioral health, epidemiology, education), the participation of community members (family advisory councils, parent advocates), and the inclusion of staff from diverse ethnic backgrounds. Complemented by more than 14 years as a bilingual primary-care physician specializing in the care of underserved communities, my three years' experience as a public-health leader with Florida's Title V agency has afforded me the opportunity to confront the systemic challenges of supporting low-income, low-literacy, and limited English proficiency families in the care of their young children.

B. Positions and HonorsPositions and Employment

1994-1997 Pediatric Residency, Stanford University Hospital
 1996-2000 Staff Physician, Santa Clara Valley Medical Center, San Jose, CA
 1997-2000 Staff Physician, Kaiser-Permanente Hospital, Santa Clara, CA
 1998-2000 Research Fellow, General Pediatrics, Stanford University/ U.C. San Francisco
 1998-2000 Instructor in Pediatrics, Stanford University School of Medicine
 2000-2011 Attending Physician, Jackson Memorial Hospital, Miami, FL
 2000-2011 Staff Physician, University of Miami General Pediatrics
 2000-2003 Co-Director, University of Miami Pediatric Mobile Clinic
 2000-2005 Assistant Professor of Pediatrics, University of Miami
 2006-2011 Associate Professor of Pediatrics, University of Miami
 2008 – 2011 Director, General Pediatric Research, University of Miami School of Medicine

2008 – 2011 Regional Medical Director, Children's Medical Services (Title V), Florida Department of Health
2010 – 2011 Medical Director, Jay Weiss Center for Social Medicine and Health Equity
2011 – Present Associate Professor, Pediatrics, Stanford University

Regional and National Leadership

2001-2011 Medical Director, Reach Out and Read Florida
2005 – present Member, Dyson Initiative National Evaluation Advisory Board, Johns Hopkins University
2006 – 2008 Member, Health Literacy Program Advisory Committee, American Academy of Pediatrics
2008 – present Advisory Member, Preventing Treatment Errors in Children, CDC-FDA Joint Committee
2008 – present Co-Director, Health Literacy Special Interest Group, Academic Pediatric Association

Awards and Honors

1986 U.S. Presidential Scholar
1987 John Harvard Scholarship
2003-2007 Robert Wood Johnson Generalist Physician Faculty Scholar
2010 Society for Pediatric Research

C. Selected Peer-reviewed Publications

1. **Sanders LM**, Devney P, Young E, Raffin TA. The Organ Donation Committee: an ethically responsible approach to increasing the organ donation rate. *Chest* 1992; 102: 1572-1577.
2. **Sanders LM**, Guidice L, Raffin TA. The ethics of fetal tissue transplantation. *Western Journal of Medicine* 1993; 159(3):400-7.
3. **Sanders LM**, Raffin TA. The ethics of withholding and withdrawing critical care. *Cambridge Quarterly of Health Ethics* 1993; 2: 175-184.
4. Kelly S, Marshall PA, **Sanders LM**, Raffin TA, Koenig BA. Understanding the practice of ethics consultation: Results of an ethnographic multi-site study. *J Clinical Ethics* 1997; 8(2):136-149.
5. **Sanders LM**, Gershon TD, Huffman LC, Mendoza FS. Prescribing books for immigrant children: a pilot study to promote emergent literacy among the children of Mexican-American immigrants, in press. *Arch Pediatr Adolesc Med* 2000 Aug;154(8):771-7.
6. **Sanders LM**, McCullough JR. "Helping Families Improve Self Management of Pediatric Asthma: A Guide for the Primary Care Physician." *Pediatric Case Reviews* 2002; 2(2): 112-125.
7. **Sanders LM**, Zacur GM, Klass P, Haecker T. Number of children's books in the home: an indicator of parent health literacy. *Journal of Ambulatory Pediatrics* 2004; 4(5): 424-428.
8. Chamberlain LJ, **Sanders LM**, Takayama JI. Pediatric residents: what lights their fire? *Archives of Pediatrics and Adolescent Medicine* 2005 Sept.
9. **Sanders LM**, Robinson TN, Forster LQ, Plax K, Brosco J, Brito A. From bedside to neighborhood: a bridge for evidence-based community pediatrics. *Pediatrics*, 2005; 115: 1142-1147.
10. **Sanders LM**, Lewis J, Brosco JP. Low caregiver health literacy: a risk factor for child access to a medical home. Poster. Pediatric Academic Societies, Washington, DC, May 17, 2005.
11. **Sanders LM**, Xue L, Stuhlman MW, Glavach M, and Bandstra E. Adolescent health literacy and its relationship to caregiver health literacy. Poster. Pediatric Academic Societies, Washington, DC, May 16, 2005.
12. **Sanders LM**, Ahmed F. Maternal Health Literacy: A Moderator of Infant Health Disparities?. Platform Presentation. Pediatric Academic Societies. May 1, 2006.
13. **Sanders LM**, Marcus ES. [Book Review] *Advancing Health Literacy: A Framework for Understanding and Action* (Zarcadoulas C, Pleasant AF, Greer DS). *New England Journal of Medicine* 356 (2007): 757-758.
14. **Sanders LM**, Thompson VT, Wilkinson JD. Caregiver Health Literacy and the Use of Child Health Services. *Pediatrics*. 119 (2007): 86-92.
15. Brosco JP. **Sanders LM**. Seider MI. Dunn AC. Adverse medical outcomes of early newborn screening programs for phenylketonuria. *Pediatrics* 2008; 122(1):192-7, 2008 Jul.
16. Minkovitz CS, Chandra A, Solomon BS, **Sanders LM**, Grason HA, Carraccio C. Factors influencing community pediatrics training in residency. *Journal of Pediatrics* 2007;. 150(2):119-20, 120.e1-2.
17. **Sanders LM**, Federico S, Klass P, Abrams MA, Dreyer B. Health Literacy in Pediatrics: A Systematic Review. *Archives of Pediatrics and Adolescent Medicine*, 2009;163(2):131-40.

18. Lokker N, **Sanders LM**, Perrin EM, Kumar D, Finkle J, Franco V, Choi L, Johnston PE, Rothman RL. Parental Misinterpretations of Over-the-Counter Pediatric Cough and Cold Medication Labels. *Pediatrics* 2009; 123: 1464-1471.
19. **Sanders LM**, Shaw JS, Guez G, Baur C, Rudd R. Health literacy and child health promotion: implications for research, clinical care, and public policy. *Pediatrics*. 2009 Nov;124 Suppl 3:S306-14.
20. Yin HS, Johnson M, Mendelsohn AM, Abrams MA, **Sanders LM**, Dreyer BD. The Health Literacy of Parents in the United States: A Nationally Representative Study. *Pediatrics* 2009; 124: S289-S298.
21. Yin HS, Wolf MS, Dreyer BP, **Sanders LM**, Parker RM. Evaluation of Consistency in Dosing Instructions and Measuring Devices for Pediatric Nonprescription Liquid Medications. *JAMA* 2010; 304(23):2595-2602.

D. Research Support

Ongoing Research Support

- R01HD059794-02
NICHD R01
Rothman, Perrin, Sanders, Yin (PIs) 1/1/09 – 12/31/13
“Addressing Health Literacy and Numeracy to Prevent Childhood Obesity”
A multi-site, randomized-control trial in primary care, pediatric-resident-training settings.
Role: PI
- HHSN275200800002C
[N01HD80002 (ref. for site grant)]
Lipshultz (PI) 10/1/10 – 3/30/12
National Children’s Study: Formative Research Subcontract
“Measuring Child Health Disparities: Health Literacy, Discrimination and Health Services (#13)”
A multi-site study to determine the validity and reliability of health-literacy and discrimination measures for the National Children’s Study, as well as to assess the inter-relationship of social health determinants during the perinatal period.
Role: Site PI
- 1U54CA153705-01
Carrasquillo (PI) 9/1/10 – 8/31/15
South Florida Center For Reducing Cancer Disparities
To establish a Center that uses the Community Based Participatory Research approach to reduce disparities through a combination of outreach, research and training. Our project will target Haitians, Hispanics and African Americans in three medically underserved communities in Miami-Dade County.
Role: Director of Training
- 2010-85215-20668 (Natale)
US Department of Agriculture
Natale (PI) 4/1/1010 – 3/31/2013
“Health Caregivers-Healthy Children: Targeting the Nutritional Gatekeeper to Achieve Behavior Change Among Low-Income Caregivers & Children”
Randomized, controlled trial of a low-literacy intervention to promote healthy eating and physical activity among children aged 3 to 5 years in federally subsidized child-care centers in low-income, ethnic-minority neighborhoods.
Role: Co-investigator

Completed Research Support

- The Children’s Trust (Miami-Dade)
Sanders (PI) 10/1/07 – 10/30/10
“Jump Start for Health”
A controlled trial of a low-literacy, child-care-center-based program to provide capacity building, training and curricula for child health promotion in the domains of nutrition, physical activity, family mental health, and access to care for special-needs children.
Role: PI
- Arsht Program in Community Ethics
Sanders (PI) 7/1/07 – 6/30/08
“Ethics of Expanded Newborn Screening in a Population with Low Health Literacy”

A mixed methods study including an annotated bibliography for public use, as well as standardized and open-ended interviews of key stakeholders (parents, parents of children with NBS+ illnesses, physicians, and policymakers) that aims to explore critical ethical questions that surround providing adequate, clear information about newborn screening

Pfizer Clear Health Communication Initiative Sanders (PI) 5/1/04-4/30/06

“Improving Maternal Health Literacy toward Improving Infant Health”

A 12-month study of a birth cohort of mother-infant dyads from a 16-year NIDA-funded longitudinal study (PI: Bandstra) of infants, half of whom were perinatally exposed to cocaine.

Robert Wood Johnson Foundation Sanders (PI) 7/1/03 - 6/31/07

Generalist Physician Scholars Program: “Improving Health Literacy in Primary Care Pediatrics”

A three-phase study to assess the impact of parent health literacy on primary and secondary measures of child health.

Anne E. Dyson Foundation Armstrong (PI) 7/1/02-6/31/07

Community Pediatrics Training Initiative, which included health-disparities curriculum and development of more than 30 community-based, participatory research projects.

Role: Research Director

David and Lucile Packard Foundation Mendoza (PI) 7/01/96 – 6/30/00

“Promoting Early Childhood Book-Sharing”

The goal of this case-control study was to evaluate the effectiveness of Reach Out and Read in an immigrant, Latino community.

Role: Co-Investigator