

Supplemental Digital Appendix 1

List of Subspecialty Pediatrics Investigator Network (SPIN) Collaborators, By Institution

Advocate Lutheran General Hospital: Vinod Havalad; *Albany Medical Center:* Joaquim Pinheiro; *Albert Einstein College of Medicine/Montefiore Medical Center:* Elizabeth Alderman, Mamta Fuloria, Megan E. McCabe, Jay Mehta, Yolanda Rivas, Maris Rosenberg; *Baylor College of Medicine:* Cara Doughty, Albert Hergenroeder, Arundhati Kale, YoungNa Lee-Kim, Jennifer A. Rama, Phil Steuber, Bob Voigt; *Benioff Children's Hospital Oakland/UCSF:* Karen Hardy, Samantha Johnston; *Boston Children's Hospital/Children's Hospital:* Debra Boyer, Carrie Mauras, Alison Schonwald, Tanvi Sharma; *Brown University/Rhode Island Hospital-Lifespan:* Christine Barron, Penny Dennehy, Elizabeth S Jacobs, Jennifer Welch; *Case Western Reserve University/Metro Health:* Deepak Kumar; *Case Western Reserve University/Rainbow Babies and Children's Hospital:* Katherine Mason, Nancy Roizen, Jerri A. Rose; *Children's National Medical Center/George Washington University:* Brooke Bokor, Jennifer I Chapman, Lowell Frank, Iman Sami, Jennifer Schuette; *Children's Hospital Medical Center of Akron:* Ramona E Lutes, Stephanie Savelli; *Children's Hospital of Los Angeles:* Rambod Amirnovin, Rula Harb, Roberta Kato, Karen Marzan, Roshanak Monzavi, Doug Vanderbilt; *Cincinnati Children's Hospital Medical Center:* Lesley Doughty, Constance McAneney, Ward Rice, Lea Widdice; *Cleveland Clinic Children's Hospital:* Fran Erenberg, Blanca E Gonzalez; *Duke University Medical Center:* Deanna Adkins, Deanna Green, Aditee Narayan, Kyle Rehder; *Eastern Virginia Medical School:* Joel Clingenpeel, Suzanne Starling; *Emory University School of Medicine:* Heidi Eigenrauch Karpen, Kelly Rouster-Stevens; *Georgia Regents University/Medical College of Georgia:* Jatinder Bhatia; *Indiana University Medical Center-Riley Hospital for Children:* John Fuqua; *Johns Hopkins University:* Jennifer Anders, Maria

Trent; *LAC+USC Medical Center*: Rangasamy Ramanathan; *Loma Linda University Children's Hospital*: Yona Nicolau; *Maria Fareri Children's Hospital Westchester Medical Center/New York Medical College*: Allen J. Dozor; *Massachusetts General Hospital*: Thomas Bernard Kinane, Takara Stanley; *Mayo Clinic College of Medicine (Rochester)*: Amulya Nageswara Rao; *McGaw Medical Center of Northwestern University/Lurie Children's Hospital of Chicago*: Meredith Bone, Lauren Camarda; *Medical College of Wisconsin, Children's Hospital of WI*: Viday Heffner, Olivia Kim, Jay Nocton, Angela L Rabbitt, Richard Tower; *Medical University of South Carolina*: Michelle Amaya, Jennifer Jaroscak, James Kiger, Michelle Macias, Olivia Titus; *Michigan State University*: Modupe Awonuga; *National Capital Consortium (Walter Reed)*: Karen Vogt, Anne Warwick; *Nationwide Children's Hospital/Ohio State University*: Dan Coury, Mark Hall, Megan Letson, Melissa Rose; *New York Presbyterian Hospital-Columbia campus/Morgan Stanley Children's Hospital*: Julie Glickstein, Sarah Lusman, Cindy Roskind, Karen Soren; *Nicklaus Children's Hospital-Miami Children's Hospital*: Jason Katz, Lorena Siqueira; *North Shore-LIJ/ Cohen Children's Medical Center of New York*: Mark Atlas, Andrew Blaufox, Beth Gottlieb, David Meryash, Patricia Vuguin, Toba Weinstein; *Oregon Health and Science University Hospital*: Laurie Armsby, Lisa Madison, Brian Scottoline, Evan Shereck; *Phoenix Children's Hospital*: Michael Henry, Patricia A. Teaford; *St. Christopher's Hospital for Children*: Sarah Long, Laurie Varlotta, Alan Zubrow; *Stanford University/Lucile Packard Children's Hospital*: Courtenay Barlow, Heidi Feldman, Hayley Ganz, Paul Grimm, Tzielan Lee; *SUNY Upstate Medical University*: Leonard B. Weiner; *Thomas Jefferson University Hospital /duPont Hospital for Children Program*: Zarela Molle-Rios, Nicholas Slamon; *Thomas Jefferson University Hospital/duPont Hospital for Children Program/Christiana*: Ursula Guillen; *Tufts Medical Center*: Karen Miller; *UCLA Medical Center/Mattel Children's Hospital*: Myke

Federman; *University of Alabama Medical Center at Birmingham*: Randy Cron, Wyn Hoover, Tina Simpson, Margaret Winkler; *University of Arkansas for Medical Sciences*: Nada Harik, Ashley Ross; *University of Buffalo-Women and Children's Hospital of Buffalo*: Omar Al-Ibrahim, Frank P. Carnevale, Wayne Waz; *University of California Irvine/Miller Children's Hospital*: Fayezy Bany-Mohammed; *University of California San Diego Medical Center, Rady Children's Hospital*: Jae H. Kim, Beth Printz; *University of California San Francisco*: Mike Brook, Michelle Hermiston, Erica Lawson, Sandriyn van Schaik; *University of Chicago Medical Center*: Alisa McQueen, Karin Vander Ploeg Booth, Melissa Tesher; *University of Colorado School of Medicine/ Children's Hospital Colorado*: Jennifer Barker, Sandra Friedman, Ricky Mohon, Andrew Sirotnak; *University of Connecticut/Connecticut Children's Medical Center*: John Brancato, Wael N. Sayej; *University of Florida College of Medicine at Jacksonville*: Nizar Maraqa; *University of Florida College of Medicine-J Hillis Miller Health Center*: Michael Haller; *University of Hawaii/Tripler Army Medical Center*: Brenda Stryjewski; *University of Iowa Hospitals and Clinics*: Pat Brophy, Riad Rahhal, Ben Reinking, Paige Volk; *University of Louisville*: Kristina Bryant, Melissa Currie, Katherine Potter; *University of Maryland School of Medicine*: Alison Falck; *University of Massachusetts Memorial Medical Center*: Joel Weiner; *University of Michigan Medical Center*: Michele M. Carney, Barbara Felt; *University of Minnesota Medical Center*: Andy Barnes, Catherine M Bendel, Bryce Binstadt; *University of Missouri at Kansas City/Children's Mercy Hospital*: Karina Carlson, Carol Garrison, Mary Moffatt, John Rosen, Jotishna Sharma, Kelly S. Tieves; *University of Nebraska Medical Center*: Hao Hsu, John Kugler, Kari Simonsen; *University of New Mexico School of Medicine*: Rebecca K. Fastle; *University of Oklahoma Health Sciences Center*: Doug Dannaway, Sowmya Krishnan, Laura McGuinn; *University of Pittsburgh Medical Center/Children's Hospital of Pittsburg*: Mark

Lowe, Selma Feldman Witchel, Loreta Matheo; *University of Rochester School of Medicine, Golisano Children's Hospital*: Rebecca Abell, Mary Caserta, Emily Nazarian, Susan Yussman; *University of Tennessee College of Medicine/Le Bonheur Children's Hospital*: Alicia Diaz Thomas, David S Hains, Ajay J. Talati; *University of Tennessee College of Medicine/St. Jude Children's Research Hospital*: Elisabeth Adderson; *University of Texas Health Science Center School of Medicine at San Antonio*: Nancy Kellogg, Margarita Vasquez; *University of Texas Austin Dell Children's Medical School*: Coburn Allen; *University of Texas Southwestern Medical School*: Luc P Brion, Michael Green, Janna Journeycake, Kenneth Yen, Ray Quigley; *University of Utah Medical Center*: Anne Blaschke, Susan L Bratton, Christian Con Yost, Susan P Etheridge, Toni Laskey, John Pohl, Joyce Soprano; *University of Virginia Medical Center*: Karen Fairchild, Vicky Norwood; *University of Washington/Seattle Children's Hospital*: Troy Alan Johnston, Eileen Klein, Matthew Kronman, Kabita Nanda, Lincoln Smith; *University of Wisconsin School of Medicine and Public Health*: David Allen, John G. Frohna, Neha Patel; *Vanderbilt University Medical Center*: Cristina Estrada, Geoffrey M. Fleming, Maria Gillam-Krakauer, Paul Moore; *Virginia Commonwealth University Health System*: Joseph Chaker El Khoury; *Wake Forest University School of Medicine*: Jennifer Helderman; *West Virginia University*: Greg Barretto; *William Beaumont Hospital*: Kelly Levasseur; *Yale University School of Medicine*: Lindsay Johnston