

Appendix 1. Contributing centers and principal investigators

1 - Seattle Children's Hospital	Adrian Bosenberg, Sean Flack, David Polaner
2 - Children's Hospital Colorado	Patrick Fernandez
4 - Children's Hospital at Dartmouth	Andreas Taenzer
5 - Lurie Children's Hospital of Chicago*	Patrick Birmingham
6 - Lucile Packard Children's Hospital (Stanford)	RJ Ramamurthi, Anthony Anderson
8 - Children's Medical Center Dallas	Galit Kastner
10 - The Cleveland Clinic	Sara Lozano
11 - Children's Memorial/ UT Houston	Maria Matuszczak
13 - Boston Children's Hospital*	Navil Sethna
14 - University of New Mexico*	Tim Petersen
15 - Texas Children's Hospital	Karla Wyatt
16 - Doernbecker Children's Hospital/ Oregon Health Sciences University	Jorge Pineda
19 - American Family Children's Hospital- University of Wisconsin	Benjamin Walker
20 - University of Minnesota	Jacob Hutchins
21 - Riley Hospital for Children*	Aali Shah
22 - Children's of Mississippi	Madhankumar Sathyamoorthy
23 - Children's Healthcare of Atlanta	Claudia Venable, Vidya Yalamanchili
24 - Hospital for Special Surgery, NY	Naomi Dong, Katherine Del Pizzo
26 - Joe DiMaggio Children's Hospital	Reena Chaudhari
27 - Vanderbilt University	Andrew Franklin
28 - WellStar Medical Group	Akiko Ando
29 - Children's National Medical Center	Nikhil Patel, Sophie Pestieau
30 - Massachusetts General Hospital*	Julia Rosenbloom
31 - University of Kentucky	Victoria Bradford

*No longer a PRAN center, but data included in this analysis