Advancing Pediatric Clinical Trial Innovation

2022 ANNUAL REPORT

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From the Chairwoman

Elizabeth Garofalo
Chairwoman

FROM THE CHAIRWOMAN:

I am honored to serve as the Chairwoman for Advancing Clinical Trials in Children (I-ACT for Children) and to present our inaugural annual report. Our mission is to transform the pediatric clinical research ecosystem by improving the efficiency and quality of clinical trials in order to advance childhood and global health. Our vision is to be the pediatric clinical development powerhouse, enabling timely access to safe and effective medicines for children of all ages. We are proud of the progress we have made in the past year and look forward to the future.

Since 2017, we have been dedicated to the mission to build a sustainable infrastructure that will support the conduct of high-quality clinical trials in children. Over the past year, we are pleased to report that we have met this objective. We have established a network of 29 high-performing pediatric clinical research sites in North America, and have established efficient collaborations with other pediatric networks such as PENN and PEDSnet. We have developed and implemented a number of tools to support the conduct of clinical trials, including a Site Selection Questionnaire, Site Feasibility Questionnaire, and Site Performance Dashboard. We have also established a Site Mentorship Program to support sites in need of assistance to conduct high-quality clinical trials. Further, we have established a Site Educational Award Program to support pediatric site development activities.

On behalf of the Board of Directors, I want to express our deep appreciation to the dedicated staff and all of the investigators and study coordinators at our network sites for their commitment and hard work in the pursuit of excellence in the care of children and in the conduct of clinical research.

Finally, I would like to thank the Board of Directors for their strong support and leadership. Our Board members bring a diverse set of skills and experiences to the table, and I am grateful for their dedication to our mission.

Sincerely,
Elizabeth Garofalo
Founder Partner, ID
Chairman of the Board

Key 2022 Achievements

Supporting Our Global Site Network

I-ACT for Children has established a robust global pediatric research site network. With 29 sites in 7 countries and 3 continents.

A pediatric trial enables, we have established efficient collaborations with other pediatric networks, such as PENN and PEDSnet. We have developed and implemented a number of tools to support the conduct of clinical trials in children, including a Site Selection Questionnaire, Site Feasibility Questionnaire, and Site Performance Dashboard. We have also established a Site Mentorship Program to support sites in need of assistance to conduct high-quality clinical trials. Further, we have established a Site Educational Award Program to support pediatric site development activities.

- Active Site: 15 (2 Sites in 1st site selection phase)
- Pipeline: 14
- In 2022, we are ready to add sites in the "Active" Status:
  - The study is enrolled in the Site Selection Phase for Global Survey 15 Pediatric Sites
  - Sites that will be identified for activation and in 3 total therapeutic areas
  - Sites that will be identified for activation and in 3 total therapeutic areas

Other Core Site Network Activities

Quarterly Site Network Calls
We conducted our first 2022 Investigator Meeting.
Topics in 2022
Recruitment and Retention Virtual Trials
Decentralized Trials
Improving the Site Start-up Process

Site Educational Teleconferences
Topics in 2022
Recruitment and Retention Virtual Trials
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Site Mentorship Program
Site Selection/Mentorship pairs in 2022
Site Mentorship Program pairs in 2023
Site popular and needed program with the goal to build clinical research staff experienced by the sites

Site Educational Award Program
Competitive Program application required
Two awardees of $5,000 each and a scientific/research symposium

Following January 2021 launch of our proprietary Pediatric Opportunity Assessment for Clinical Trials & Research (POACTR), we have established a robust pipeline of studies and enhanced the capacity of our site network. We are proud to be supporting the first industry-sponsored initiative with Pfizer Ireguda, MD, and the team at Ellis Jones St. Jude Medical Center for Health Sciences in Memphis, TN. Additionally, we have established a robust pipeline of emerging sites and incorporate GP drugs/devices within a select subset of "trailblazer" sites, so that we can make and implement improvements to our network. This work was supported by FDA Grant 1U01FD006297.

Trans-overall 2022 PICTR highlights include:

- 274 studies entered into our database contained at least 1 data point.
- The database software was simplified.
- 4 Trailblazer Sites actively enrolled in our supported study.
- 2 Learning Sessions were held to train staff on the quality improvement
- 11 Quality Improvement Coaching sessions were held
- 2 Quality Improvement Learning Sessions held
- Quarterly site dashboards were sent to all site-enrolling clinical trial data

Data Points collected were:

Data Points Collected for Each Clinical Trial
Trial Name (Eligible for PICTR Selection)
Trial Sponsor (Eligible for PICTR Selection)
Trial Phase (Eligible for PICTR Selection)
Trial Therapeutic Area (Eligible for PICTR Selection)
Trial Recruitment Status (Eligible for PICTR Selection)
Trial Inclusion Criteria (Eligible for PICTR Selection)
Trial Exclusion Criteria (Eligible for PICTR Selection)
Trial Start Date (Eligible for PICTR Selection)
Trial Primary Completion Date (Eligible for PICTR Selection)
Trial Study Completion Date (Eligible for PICTR Selection)
Feasibility
Trial Start Performance Data
Trial Start Performance Data

Additional PICTR Data collected:

- 29% of studies ready to enroll at time of IRT
- 19% of studies were in validation
- 30% of studies contacted for patient
- 22% of studies had patients enrolled
- In COVID Studies

The rest of the database of patients: clinical trials and the type applied to the clinical trial, the number of patients enrolled in the clinical trial, and the approximate timeline to complete the clinical trial. The goal of the database is to inform other stakeholders with retrospective quality of being used to plan clinical trials and to help sponsors and CROs to make informed decisions about future large number of trial and various centers of therapeutic area.

Other Accomplishments of Note

REGULATORY AFFAIRS/PANS

A Pediatric Regulatory Support group was established in early 2022. Members of the panel, Stephen P. Spielberg, MD, PhD, Alan C. Sachs, MD and Andrew Mullberg MD each have held leadership positions at the US Food and Drug Administration (FDA) in addition to having extensive experience in drug development, pediatric clinical trials and pediatric ethics. Sponsors are encouraged to meet with the panel to discuss regulatory development strategies and pediatric study plans.

PATIENT ADVOCACY

Established in 2019, the panel is available to discuss strategic aims of advancing effective pediatric guidelines and children are enrolled in clinical trials that involve the I-ACT for Children trial network. The panel includes Tamera Coyne-Beasley, MD, MPH, Jessie Feagin, MD and Robert Nelson, DrPH, MPH.

Pediatric Ethics

Anthony Kinlaw, MD, PhD, Jeffrey Kahn, PhD, Ph.D., Melissa Kacmarek, RN, MSN, CCRN, Jeffrey Blumberg, PharmD, Ph.D., Nicholas Kenyon, MD, MPH