

# Innovation at CHLA

Generate **new strategic value** for CHLA by building, testing and implementing **pragmatic solutions** to **high-impact problems**.



## **ACCELERATE Innovation**

Be the national leader in providing thought leadership and expertise to external innovators as they build solutions to improve pediatric care delivery.



## **CONSUME Innovation**

Source, test and implement externally developed innovative solutions to advance strategic objectives.



## **BUILD-TO-USE Innovation**

Develop, evaluate and implement user-centric solutions to advance strategic objectives at CHLA.



## **BUILD-TO-SELL Innovation**

Commercialize homegrown intellectual property by making product commercially available to consumers outside of CHLA.

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## **ACCELERATE Innovation**

Be the national leader in providing thought leadership and expertise to external innovators as they build solutions to improve pediatric care delivery.

## **KidsX**

KidsX is an ecosystem of innovators, anchored by a consortium of the top children's hospitals positioned to accelerate pediatric digital innovation.

## **CTIP (Consortium for Technology & Innovation in Pediatrics (CTIP))**

KidsX is a global ecosystem of innovators, anchored by a consortium of the top children's hospitals positioned to accelerate pediatric digital innovation.

**Kids** 

# KidsX Mission and Vision

## Mission

To **solve the most pressing problems** in **pediatric** care delivery by facilitating **collaboration** between leading **healthcare organizations** and inspired **entrepreneurs**.

## Vision

To be the global leader in **accelerating pediatric digital health innovation**, by enabling collaboration between leading providers, payors, schools, and investors to **source, screen, prioritize, test**, and **deploy purpose-built** digital health solutions **at scale**.

# KidsX 2022 Pediatric Member Organizations

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# What does KidsX do?

*KidsX accelerates digital innovation in pediatrics.*

**We work with children's hospitals from around the world to provide an opportunity to:**



Connect with each other



Learn how to improve their organization's innovation efforts



Support early-stage digital health companies as they achieve product and business model validation in the pediatric market



# Highlights from 2021 and 2022: Accelerator Programs

## 2022 Press Ganey KidsX Accelerator



For early-stage digital health companies interested in improving the pediatric experience for patients, families, providers, and staff.

**2022 Focus Areas:** Removing data silos & increasing personalization; cultural competency & outcomes; redesigning work during workforce shortage; mental/behavioral health; workforce recruitment and retention

## 2021 KidsX Accelerator 2022 KidsX Accelerator



For early-stage digital health companies interested in selling to children's hospitals.

**2022 Focus Areas:** Mental & behavioral health, care coordination & adherence, automation, and chronic condition management & PROMs.

## 2021 AWS Healthcare Accelerator 2022 AWS Healthcare Accelerator



For growth-stage digital health companies interested in selling to U.S. hospitals.

**2022 Focus Areas:** Increasing access to health services, Reducing disparities by addressing social determinates of health, Leveraging data to promote equitable & inclusive systems of care.

# Highlights from 2021 and 2022: Roundtable Discussions

**Digital Front Door:  
Best Practices and Use Cases**



**Fireside Chat: Public Sector Payor  
Partnerships**



**Creative Use Cases for Virtual Care  
in Pediatrics**



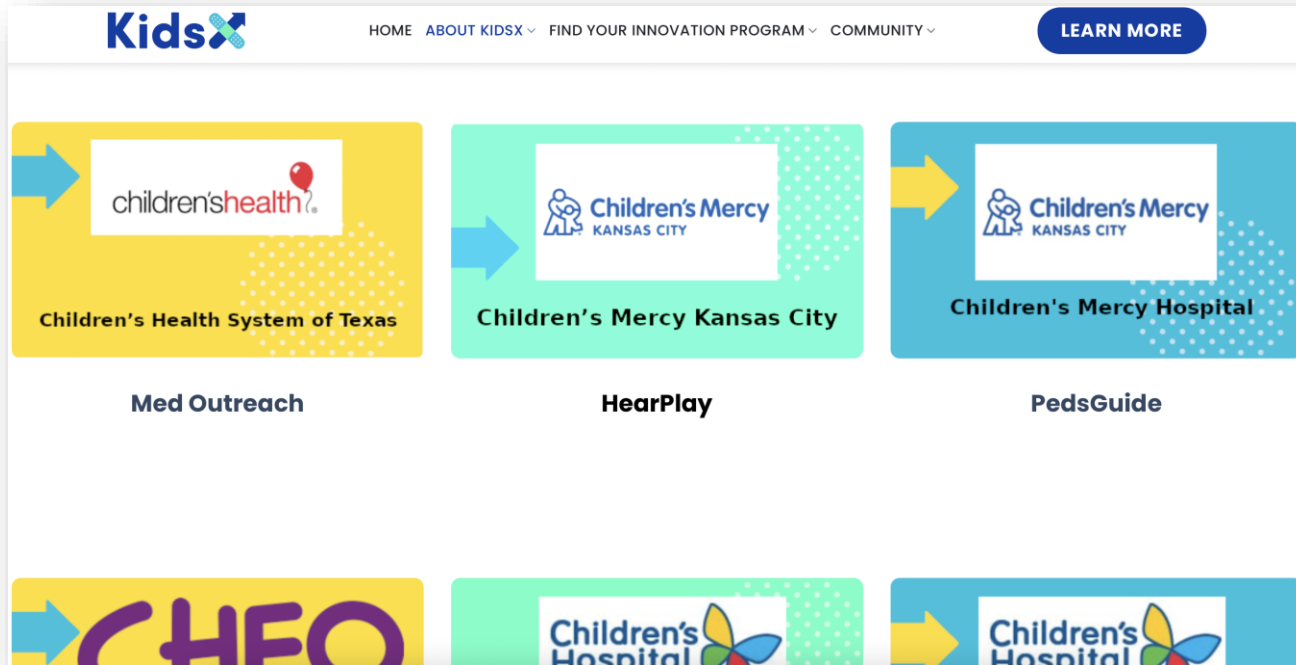
**Design Thinking Workshop on Pediatric to Adult  
Care Transitions**





# Highlights from 2021 and 2022: Innovation Exchange

**KidsX** built a platform to increase awareness and collaboration around the innovation work that the **KidsX** consortium is doing. The **KidsX** Innovation Exchange aims to:



#1

Highlight the innovative work of KidsX Member Organizations

#2

Elevate opportunities for learning & collaboration

Reduce duplication of ideas, effort, and resources

#3

# Highlights from 2021 and 2022: Funding Opportunities

## 2022 VaxUp Challenge



For nonprofits (i.e. CBOs, FQHCs, religious-based orgs) and for-profits (i.e. startups) interested in building, prototyping, researching, and deploying a solution to increase vaccination rates for the youth in LA County.

Total funding offered: \$505,000

## 2022 Anthem Pediatric Innovation Challenge



For current KidsX Member Organizations and previous and current KidsX startups to jointly propose a care delivery model that combats pediatric anxiety, depression, and obesity for the Anthem Medicaid population.

Total funding to be offered: \$100,000

# Looking Ahead in 2023: KidsX Programs



## Accelerator

8-week program designed to help promising early-stage digital health companies prepared to collaborate with KidsX member hospitals.

**July-September 2023**

**In-Person Demo Day:  
September 2023**



## Community

Facilitate meaningful connections between KidsX Champions and Innovation Teams from KidsX hospitals.

**KidsX Community will have events throughout 2023.**



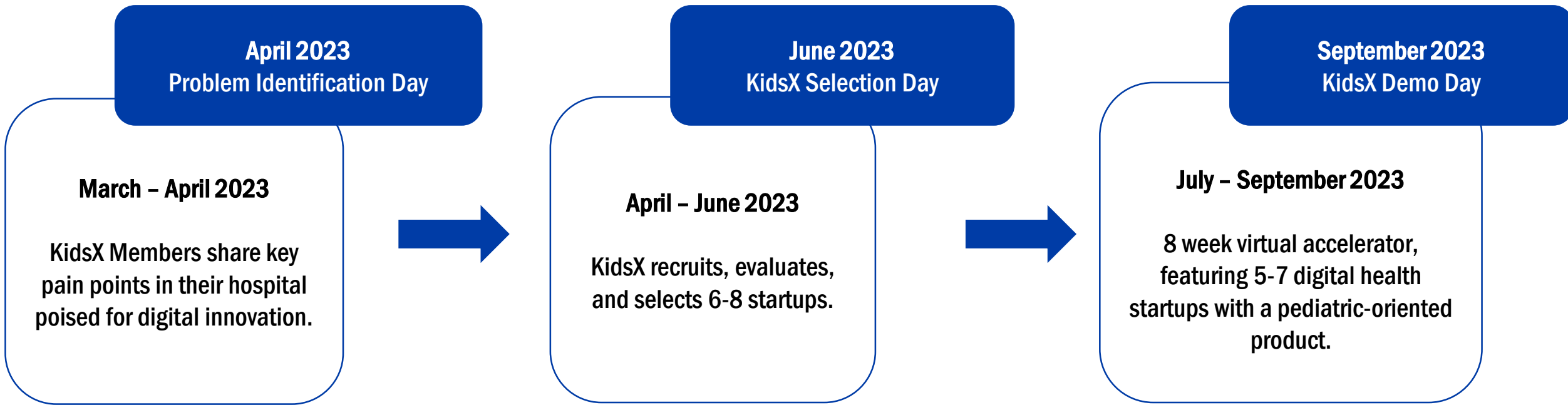
## Build



Explore opportunities to co-develop new technologies, products, and/or tech-enabled services with ReDesign Health.

**KidsX Build Kickoff  
November 2022**

# Looking Ahead in 2023: KidsX Accelerator



# Looking Ahead in 2023: KidsX Community

	Champions	The Doers
Who	CIO, CInO, VP, Director, etc.	Project Mgr, Specialist, Analyst, etc.
Opportunities & Resources	<ul style="list-style-type: none"><li>• Roundtable Discussions, Networking Sessions</li><li>• (Not So) Random Collisions</li><li>• Best Practice Sharing</li><li>• Online Community</li><li>• Member Resources Repository</li></ul>	<ul style="list-style-type: none"><li>• Networking Sessions</li><li>• Best Practice Sharing</li><li>• Skill Building Opportunities</li><li>• (Not So) Random Collisions</li><li>• Online Community</li><li>• Asynchronous Forums</li></ul>
Facilitated By	KidsX	

New for 2023

# Looking Ahead in 2023: KidsX Build



**REDESIGN  
HEALTH**

Redesign Health is a company that powers innovation in healthcare by developing technologies, tools, and insights that lower the barriers to change across the industry. Since 2018, exceptional founders have built over three dozen companies at Redesign Health, impacting more than ten million lives across many aspects of the healthcare ecosystem including cancer care, teleaudiology, COVID-19 testing, metabolic health and more.

## November 2022

- Kickoff Meeting between interested KidsX Champions & ReDesign Team

## Q1 2023

- Ideation Sessions between KidsX Champions and ReDesign Team

## Q2 2023

- Scope and confirm potential collaborations between KidsX hospitals and ReDesign to build NewCo

# Lessons Learned

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## **ACCELERATE Innovation**

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- Piloting technology without proper clinical leadership engagement and adoption often dooms projects.
- Important to start with the key problems, not the technology
- Building strong metrics upfront is key towards ensuring value is achieved
- New technologies must work well with existing workflows
- Securing budget for novel, risky innovative projects is difficult when competing for budget against other priorities.
- Focus on 1 innovative project at a time

# Program Overview



The West Coast Consortium for  
Technology & Innovation in Pediatrics



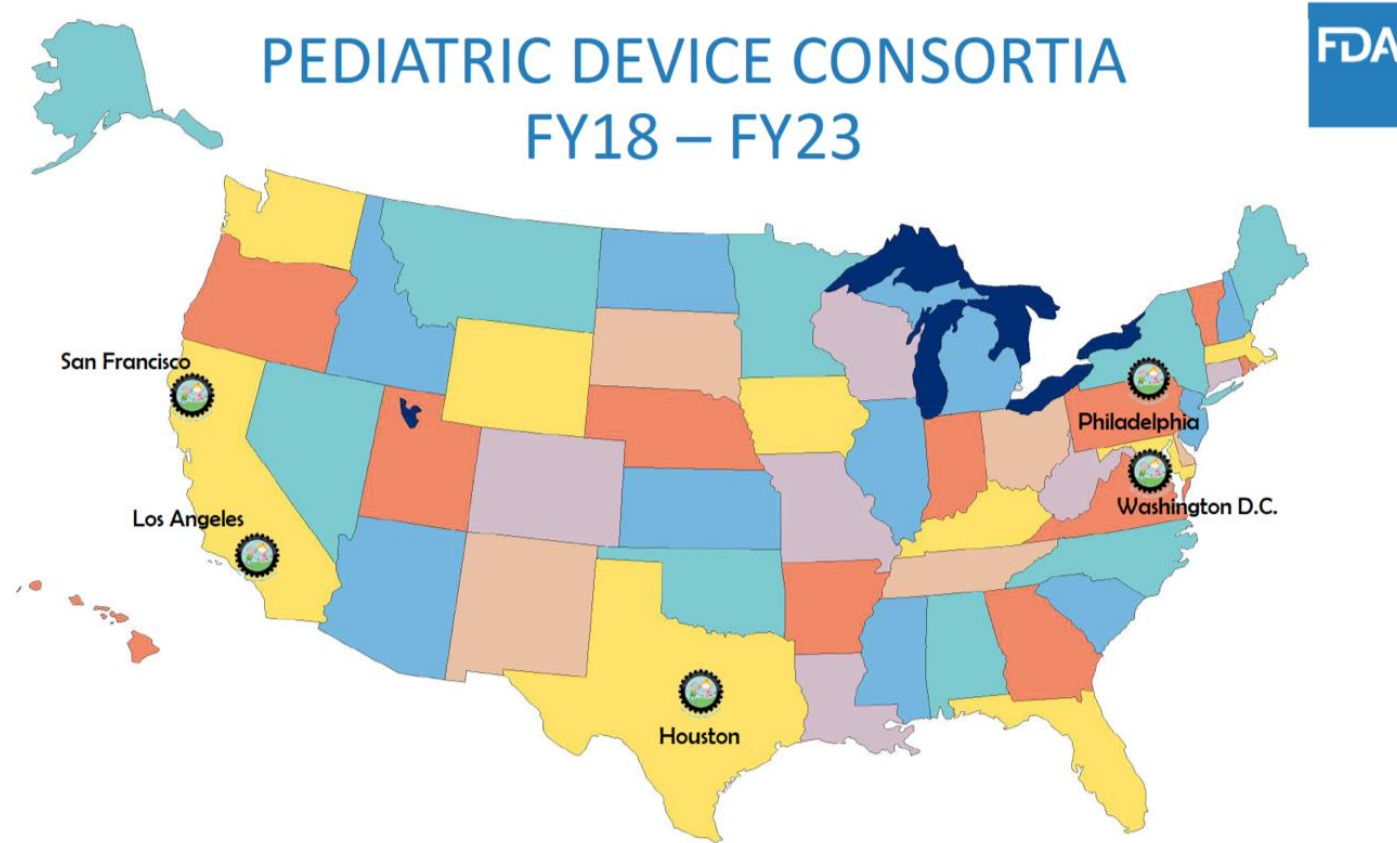
# CTIP Overview



Pediatric Device  
Consortia Grants Program



# CTIP Overview



# CTIP Overview

## Our Consortium

### Principal Site

1 Children's Hospital Los Angeles

### Funded Academic Partners

2 University of California, Los Angeles

3 Oregon Health & Science University

### Unfunded Academic Partners

4 University of Southern California

5 University of California, San Diego

6 University of California, Berkeley

7 Seattle Children's

8 Cedars-Sinai Accelerator

9 The Lundquist Institute

10 Project Zygote

11 Larta Institute



# CTIP Overview

- ▶ Our goal is to advance devices along the path from concept to commercialization
- ▶ We work with innovators and entrepreneurs at any stage (concept, prototype, etc.)
- ▶ CTIP does NOT take any stake, IP, or ownership.



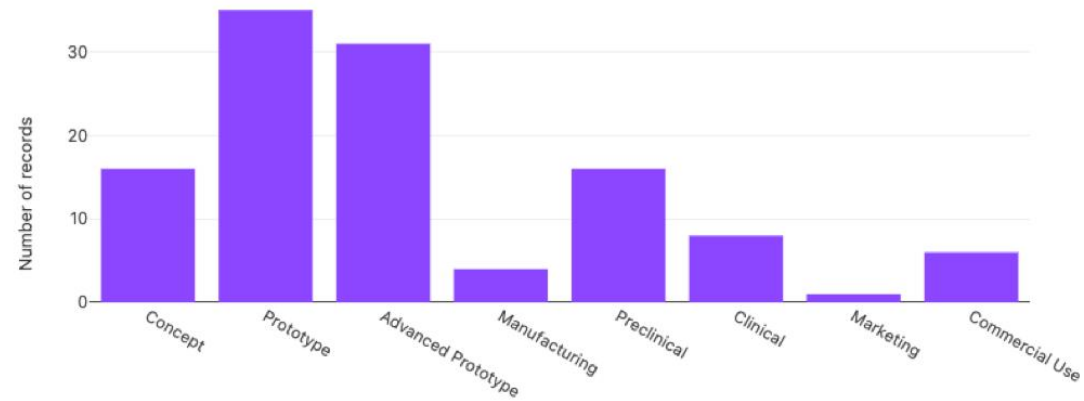
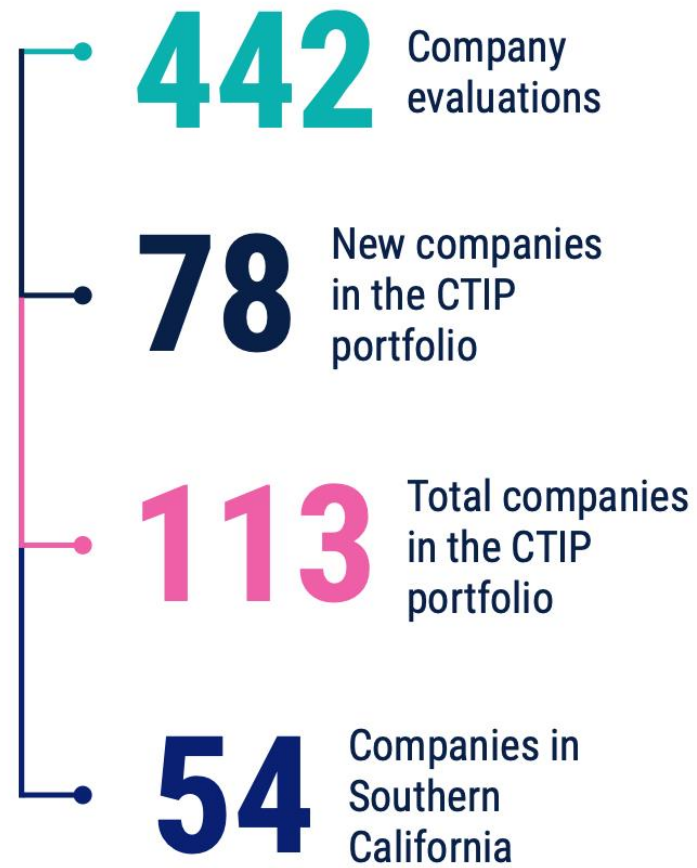
# CTIP Overview

We achieve our goals by:

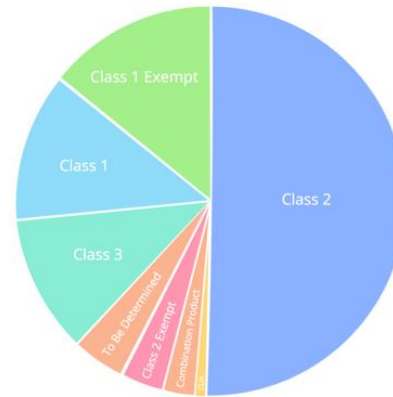
- ▶ Awarding grants (\$250,000 per year)
- ▶ Paying for key consulting services on behalf of companies
- ▶ Helping to create new clinical, research, and business partnerships



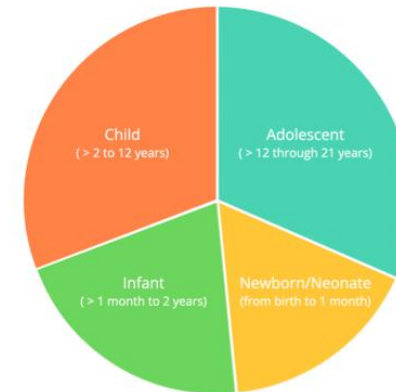
# CTIP Overview



Device stage at intake



Device Class



Intended Population





# CTIP Overview

**\$154,732,000**

Amount of money raised  
by CTIP companies at intake

**\$198,995,851**

Funds raised by CTIP  
companies since joining

**\$1,686,822**

Total funding awarded  
by CTIP to date

**\$19,486,274**

Total federal funds awards to  
CTIP companies (25 grants)



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