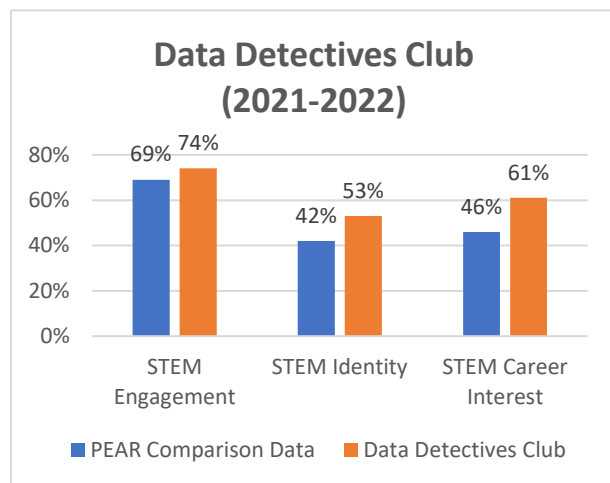


DATA DETECTIVES CLUB Program

The Covid-19 pandemic provided an opportunity for youth to learn about data in ways that are personally relevant and even empowering. Funded by the National Science Foundation, Data Detectives Clubs provide data activities and challenges built around a science adventure novel, *The Problem of Pandemics* (previously titled *The Case of the Covid Crisis* and recently updated to focus more on other pandemics). In the novel, two middle school students travel through time and space under the guidance of a teenager from the future to learn about epidemics of the past and present. The characters learn about measles, smallpox, Ebola, COVID, and more, as they visit places including Ohio, Italy, the Congo, Bangladesh, and Navajo Nation.



Each of the chapters is accompanied by hand-on activities such as exploring real-world disease data in a fun online data analysis tool, a card game to show how a disease can spread from animals to humans, and a game to simulate the effects of vaccination on disease spread. The Career Connections component of the program includes visits from various data or epidemiology/public health professionals.



The project aligns with Imagine Science priorities to target underserved and unrepresented youth in Grades 4-8. In 2021-2022, 47 Data Detectives Clubs served more than 650 youth. The project has significantly exceeded original implementation goals, and recently received supplemental funding to serve additional youth over the next 18 months.

The impact data from PEAR CIS Youth surveys shows positive program impact across all measures – STEM Engagement, STEM Identity and STEM Career Interest.

CIDSEE is a partnership of Tumblehome (lead organization, curriculum/materials development, training and research), STEM Next/Imagine Science (implementation partner), the Concord Consortium (data tools), Strategic Learning Partners for Innovation (evaluation), PEAR (evaluation), and the Jackson Laboratory (video development and mentors).

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