

THE KIDS FIRST CLOUDS CREDITS PILOT #3 ANNOUNCEMENT

The [Gabriella Miller Kids First Pediatric Research Program \(Kids First\)](#) is pleased to announce the availability of a 2022 Cloud Credits Pilot program to enable researchers to conduct cloud-based analyses accessing Kids First data and utilizing the tools available through the Kids First Data Resource (DRC). The [Kids First Data Resource Portal](#) allows users to query or search Kids First datasets, build virtual cohorts or collections of individual participants, identify genomic files for analysis, and search for variants common across Kids First studies. [CAVATICA](#), built by [Seven Bridges Genomics](#), allows users to analyze and visualize data using bioinformatics workflows and interactive analysis in a cloud-based environment.

This 2022 Cloud Credits Pilot program is available to all researchers interested in using Kids First Data Resources. The Kids First DRC receives source clinical data from each independent investigator, along with paired genomic sequencing produced by one of their sequencing centers partners and provides harmonized clinical and genomic datasets through its web platforms. The Kids First DRC processes each study dataset according to the same standard workflows, producing harmonized datasets which are directly comparable to one another, and facilitating cross-disease analyses. For an introduction to Kids First, its platforms, and data process, we encourage you to watch this recent presentation from the ASHG2021 Virtual Meeting (<https://www.youtube.com/watch?v=uQ0soZQpYCU>).

If you would like to participate in the Kids First 2022 Cloud Credits Pilot program, please send an email to KidsFirst@od.nih.gov with "[Kids First 2022 Cloud Credits Pilot](#)" in the subject line, and the Working Group will follow up with additional information.

In your email, please describe:

- Which Kids First datasets you are interested in analyzing and whether you plan to cross-analyze Kids First data with other data. Please feel free to explore the data available through Kids First by logging into the [Kids First Data Resource Portal](#). **Please note that dbGaP approval** is required for access to controlled-access (generally, individual-level genomic) data. Requesting dbGaP access requires a separate proposal and submission.
- Whether you have previously participated in earlier KF cloud credit pilots, either as an X01 or R03 investigator. In that case, please indicate whether this is a request for an additional allocation.
- What analyses you intend to do on the CAVATICA platform.

If you would like additional information on cloud computing, with specific reference to Kids First, please see <https://github.com/kids-first/kf-cloud-credits>.

Please note that dbGaP approval is required for access to controlled-access (generally, individual-level genomic) data. Requesting dbGaP access requires a separate proposal and submission. Please see <https://github.com/kids-first/kf-cloud-credits/blob/main/ExploringDatasets.md> for a tutorial about dbGaP access, including Tips for developing a Data Access Request.

A FAQ is available about data access: <https://commonfund.nih.gov/kidsfirst/FAQ>

If you have any questions, please contact: KidsFirst@od.nih.gov.