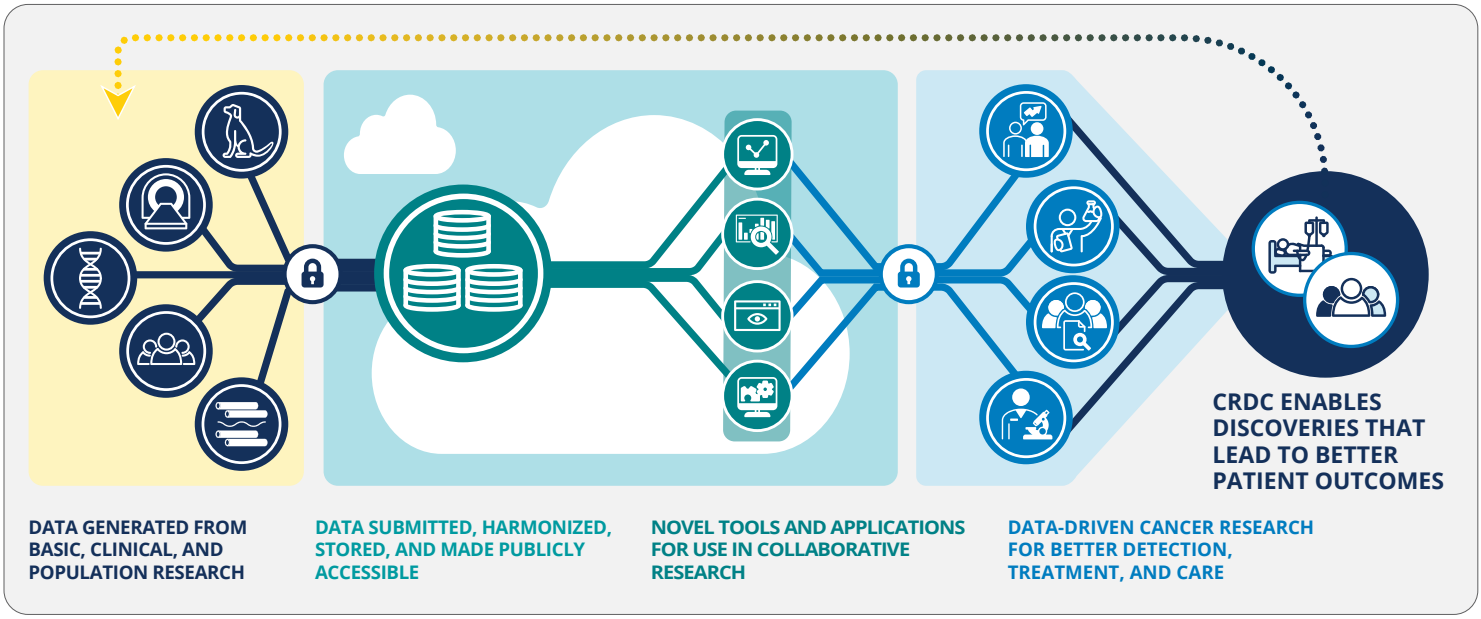
NIH NATIONAL CANCER INSTITUTE

Accelerating Cancer Research Through Data Sharing
NCI CANCER RESEARCH DATA COMMONS (CRDC)

The CRDC is NCI's primary data science cloud-based platform that co-locates interoperable data and analytical tools in an elastic computing infrastructure.



UPLOAD AND SHARE YOUR DATA

The CRDC includes a collection of data commons that store, manage, and make accessible diverse data types for original and comparative analysis. The CRDC data commons house genomic, proteomic, imaging, comparative oncology, clinical, and other research data.

ACCESS NEARLY 10 PETABYTES OF DATA

Select data sets include:

- CCDI: Childhood Cancer Data Initiative
- CPTAC: Clinical Proteomic Tumor Analysis Consortium
- HTAN: Human Tumor Atlas Network
- TARGET: Therapeutically Applicable Research to Generate Effective Treatments
- TCGA: The Cancer Genome Atlas

Open and controlled-access data are available through NCI Cloud Resources or through CRDC's collection of Data Commons. The CRDC currently includes the Cancer Data Service along with the Genomic, Proteomic, Imaging, and Integrated Canine Data Commons. Additional Data Commons are in development, including the Population Science Data Commons and the Clinical and Translational Data Commons.

ANALYZE DATA SETS USING MORE THAN 1,000 CLOUD-BASED TOOLS

The CRDC makes a wide range of analytic and visualization tools available through its Cloud Resources. Users can bring their own data or tools to the cloud to work with more than a thousand tools and workflows, that can be used as is or tailored as needed.

SHARE DATA WITH THE CANCER RESEARCH COMMUNITY

To ensure broad, equitable data sharing that benefits the research and participant (patient and advocate) communities, NCI's Office of Data Sharing has established a comprehensive vision and strategy for cancer research and clinical care data. Learn more at **datascience.cancer.gov/data-sharing/policies**

To get started with the NCI Cancer Research Data Commons, visit **datacommons.cancer.gov** | **ncicrdc@mail.nih.gov**