

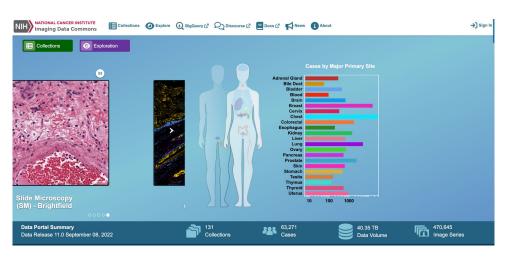
NCI Imaging Data Commons

Andrey Fedorov, PhD, on behalf of the IDC team Brigham and Women's Hospital, Mass General Brigham, Boston 28 November 2022

Disclosures / disclaimer

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- The views presented do not necessarily reflect the views or policies of the Department of Health and Human Services, nor does mention of trade names, commercial products, or organizations imply endorsement by the U.S. Government.

National Cancer Institute (NCI) Imaging Data Commons (IDC)



NCI Imaging Data Commons (IDC) is a cloud-based repository of publicly available cancer imaging data co-located with the analysis and exploration tools and resources.

Data Portal SummaryData Release 12.0 October 11, 2022

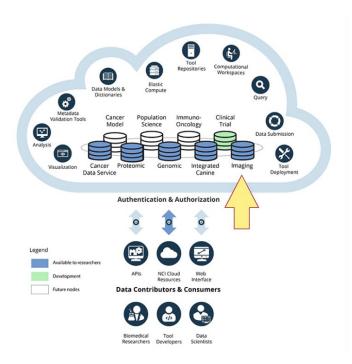








NCI Imaging Data Commons (IDC)



IDC is a component within the broader NCI

Cancer Research Data Commons (CRDC)

infrastructure that provides secure access to a

large, comprehensive, and expanding

collection of cancer research data.



Explore

Broad range of imaging data across scales, modalities, cancer types.



Subset

Extensive metadata index powered by highly scalable cloud search.



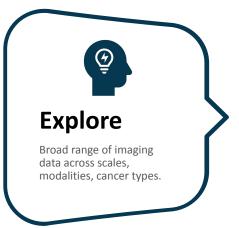
Analyze

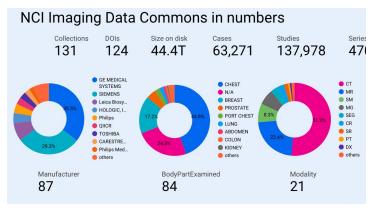
Self-contained reproducible end-to-end cloud-based workflows.

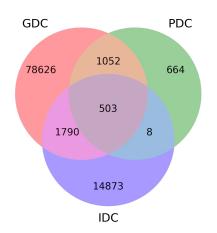


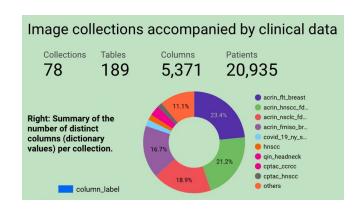
Share

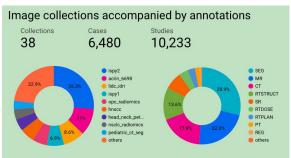
Persistent data cohorts for reproducibility and transparency.

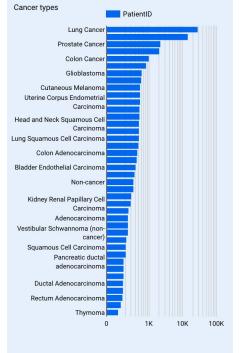






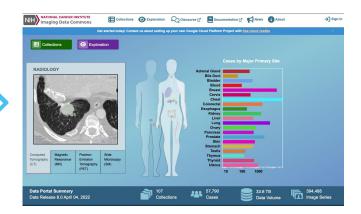


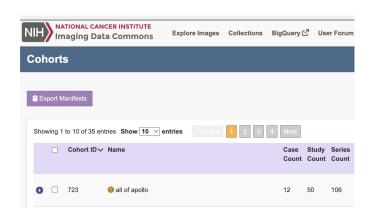




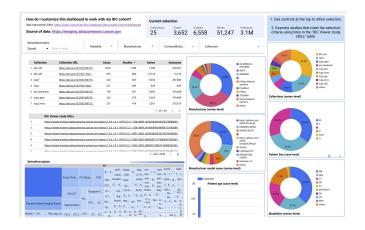


Extensive metadata index powered by highly scalable cloud search.



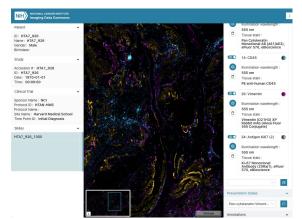




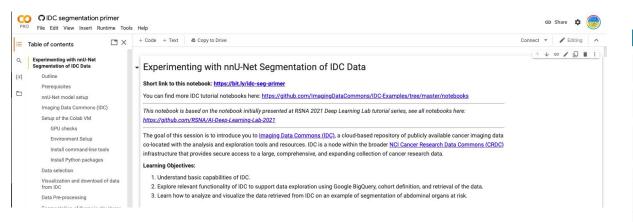


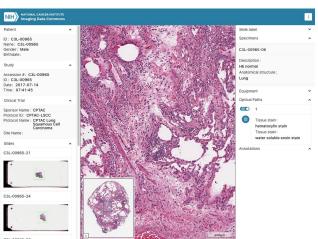


Self-contained reproducible end-to-end cloud-based workflows.



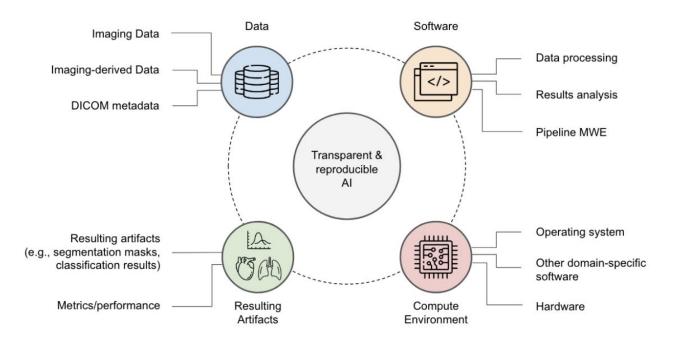








transparency.



What you get

FOR FREE

Without downloading data or installing any software on your computer:

- Search and explore data
- Visualize images and derived data
- Define and save cohorts
- Develop/share analysis notebooks
- Find matching non-imaging data

Can I just download IDC data from the cloud and move on?

- Yes!
 - no out of cloud egress fees

