DATABASE SPOTLIGHT

THE CANCER IMAGING ARCHIVE (TCIA)

https://www.cancerimagingarchive.net/



The Cancer Imaging Archive (TCIA)

The Cancer Imaging Archive is a public repository of cancer-related medical images and associated clinical data for research purposes created to facilitate the discovery of imaging biomarkers and to accelerate research in cancer diagnosis, treatment, and prevention. The imaging data are organized as collections defined by a common disease, image modality or type or research focus.

The Data Contains:

- Over 121 collections of data
- Over 50 millions images available for download
- 32 Analysis Result datasets
- Wide variety of cancer and phantoms
- Associated supporting data demographics/outcomes/therapy, Image analyses and genomics/proteomics
- COVID-19 Collections

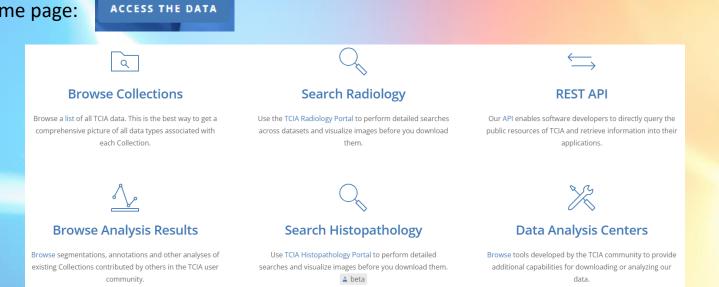
Submit Your Data:

Researchers are encouraged to:

- <u>Publish new imaging datasets to TCIA</u>
- <u>Publish Analysis Results</u>

Accessing the Data:

Click Access the Data from home page:



Browse Collections – Search, Filter and Sort collections of interest

	cer Type ♀	Locations ¢	Species > Human	Subject≎ 262	Data Types 🗢 CT, MR,	Supporting Data Clinical,	Acces\$	Status \$	Updated\$	Select a colle Citation & D
CPTAC-CCRCC Clear C	r Cell Carcinoma	Kidney	Human	262	CT, MR,	Clinical,	Public	Ongoing	2024/05/10	
Search Radiology Search Histopatho		Search d	atas	sets	and vi	sualize	e th	em l	befor	e downloading

Select a collection to view the Summary, Data Access, and Citation & Data Usage Policy

Rest API – Build direct access to TCIA data into applications

Browse Analysis Results – Published analysis of existing TCIA image collections

Data Analysis Centers – Tools that provide additional capabilities for downloading, visualizing or analyzing TCIA data

Helpful Resources:

• Video Tutorials:

https://wiki.cancerimagingarchive.net/display/Public/User +Guides

- Browse and Search Collections (Datasets): https://www.cancerimagingarchive.net/browsecollections/
- Publications:

https://www.cancerimagingarchive.net/publications/

IF YOU ARE INTERESTED IN LEARNING MORE ABOUT THE CANCER IMAGING ARCHIVE (TCIA), PLEASE CONTACT KENT RIPPLINGER AT: kent.p.ripplinger.2@und.edu