## **Searching for Image Studies 7.8**

You can search and download public data without logging in to the TCIA Data Portal. To access restricted data, however, you must log in first to see that data in your search results.

TCIA provides two ways to search for image studies:

- Simple Search
- Text Search

When you first open TCIA Data Portal, the Summary tab displays filters for a simple search and pie charts showing counts of collections, image modalities, and anatomical sites in the database. Each pie "slice" is a filter you can use to narrow the data in the portal. Hover over a pie chart slice to view the name of each filter. The size of each pie slice is relative to the size of that filter's representation in the database.

yftvin ⊠	Submit Your Data + Access The Data + Help +	GANCER IMAGING ARCHIVE	
			🔍 Search 🕑 Login 🔹 Download 🛛 🗷 Share 🝸 🏣 Cart 🗐
Simple Search Text Search	D Clear		
✓ Collections sort: alpha ○ num ●	e crui		
92 More	Summary Search Results		
UVICTRE 224			
CT COLONOGRAPHY			
OPC-Radiomics	Count by Collections	Count by Image Modality	Count by Anatomical Sites
92 More ✓ Image Modality All O Any ® In MG (000) O CT (000) O MR (200) O RTSTRUCT (200)			
D PT 1815	97 Collections	22 Image Modalities	70 Anatomical Sites
G Stores     G Stores     Grown Stepson Stores     Grown Stepson Stores     Grown Stores     Grown Stores     Societs     Homo sapters     Societs     Homo sapters     Societs     Jos-Party Analysis Results     Grown Stores     Societs     Grown Stores     Grown Stores			
(c) 2017-2021 TCIA   NBIA Client build 1.0.73TCIA   Site License	Funded by Frederick Nat. Lab for Cancer Research Server: tcia-public-rh-stage		Feedback Privacy Notice Disclaimer Accessibility Support FAQs

Click one or more boxes next to each search filter to select it. As you select search filters, they move to the top of the list. They also appear in Boolean query format above the pie charts. This query specifies the filters you have applied to your search. Click **Clear** if you want to remove all of your filters at once and start over. You can save your query as a URL for later use or to put in an email to a colleague. For more information about sharing, go to Sharing Data in Your Cart.

You can narrow your search by the following filters:

- Collections
- Image Modality
- Anatomical Site
- Species
- Phantoms
- 3rd-Party Analysis Results
- Clinical Time Points
- · Exclude collections with commercial use restrictions
- Date Released
- Subject IDs

(i)

You can also specify the minimum number of image studies you want to match each search filter. For Collections, if you know the name of the collection,

click Q to enter it instead of finding and clicking the collection's box.

3rd-party analysis results are derived data (e.g. segmentations) that were contributed by researchers who were not part of the group that originally submitted a collection to TCIA.

The Simple Search page shows a summary of image studies that match your search criteria. Your selections appear in the following ways:

- Boxes you selected are checked.
- · Pie charts update to show the exact search results.

- Breadcrumb-style labels at the top of the page show the applied search filters (not all may display due to space constraints).
- Count of search results appears.

Simple Search Text Search	*	Collections (4D-Lung)	AND Image Modality ( CT )	Applied search filters
	19			
BREAST-DIAGNOSIS	3	Summary Search Results		
CT COLONOGRAPHY	825			
CT Lymph Nodes	176	Search results count: 19		
Head-Neck Cetuximab	108			
LIDC-IDRI	1010	Count by Collections	Count by Image Modality	Count by Anatomical Sites
	35 More			
🚽 Image Modality All 🔘 Any 💿	5			
☑ CT	4408			
CR	56			
CTPT	1			
DX	238			
ПКО	10			
MG	3801			
	11 More	41 Collections	1 Image Modalities	28 Anatomical Sites

The pie charts show the count of image studies in your search results by Collection, Image Modality, and Anatomical Site. Click a pie slice or hover over it to see the name of the Collection, Image Modality, or Anatomical Site, and number of each, in your search results.



The Search Results tab shows the same results as the pie charts but in tabular form.

							Search JLogin	ownload 🎽 Share 🗮 Cart	0 MB
Simple Search	Text Search								
<ul> <li>Collections</li> </ul>	s sort: alpha 💿 num 🔿	сp	Clear	Collections (4D-Lung)	AND Image Modality (CT)				
🗹 4D-Lung	\$	93 More 20	Summony	Socrah Posulta					
AAPM-RT-I	MAC	0	Summary	Search Results					
□ ACRIN-FLT	r-Breast	0	Showing 1 -	10 of 20 Subjects	-		2 pa	iges << < 1 2 >	>>
ACRIN-FM	ISO-Brain	0							
ACRIN-NS	CLC-FDG-PET	0	Cart 📜	Collection ID	Subject ID 🔺	Studies	Series	OHIF Viewer	
Anti-PD-1_	Lung	0	> 📜	4D-Lung	100_HM10395	34	340		
	93 More	> 📜	4D-Lung	101_HM10395	11	110			
✓ Image Mod	dality All 🔿 Any 🔍	5	> 📜	4D-Lung	102_HM10395	17	170		
		16 More	> 📜	4D-Lung	103_HM10395	38	380		
		0	> 📜	4D-Lung	104_HM10395	32	320		
		0	> 📜	4D-Lung	105_HM10395	34	340		
		0	> 📜	4D-Lung	106_HM10395	32	320		
□ FUSION		0	> 📜	4D-Lung	107_HM10395	24	240		
□ко		0	>	4D-Lung	108_HM10395	28	280		
		16 More		4D-Lung	109_HM10395	33	330		
✓ Anatomical Site sort: alpha ○ num ●									
	(	64 More	Show 10	entries			2 pag	es << < 1 2 >	>>
LUNG		20		_					
ABD PEL		0							
ABD PELV		0							
		0							

Text searches involve entering any text that might appear in any search filter.



Results are displayed in pie charts and a table, just as with the simple search.