

# TCIA Analysis Results

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To enhance the value of TCIA collections we encourage the research community to [publish their analyses](#) of existing [TCIA image collections](#). Examples of this kind of data includes radiologist or pathologist annotations, image classifications, segmentations, radiomics features, or derived /reprocessed images. Similar to submitting new image collections, these data are reviewed by the TCIA Advisory Group for relevance and curated using our normal processes to assure data are de-identified. However, TCIA does not certify the quality of the analyses themselves (e.g. accuracy of segmentation on a given scan). Researchers should always carefully review the data and any related publications before deciding whether these analyses could be useful in their work.

**Note:** Column headers can be clicked to sort the table.

Title	Cancer Type	Location	Subjects	Collections Analyzed	Analysis Artifacts on TCIA	Updated
<a href="#">DICOM SR of clinical data and measurement for breast cancer collections to TCIA</a>	Breast	Breast	474	<a href="#">TCGA-BRCA</a> , <a href="#">BREAST-DIAGNOSIS</a> , <a href="#">ISPY1</a> , <a href="#">Breast-MRI-NACT-Pilot</a>	DICOM SR descriptions of patient characteristics, histopathology, receptor status and clinical findings including measurements.	2020-05-28
<a href="#">DICOM-SEG Conversions for TCGA-LGG and TCGA-GBM Segmentation Datasets</a>	Glioblastoma, Low Grade Glioma	Brain	167	<a href="#">TCGA-GBM</a> , <a href="#">TCGA-LGG</a>	Tumor segmentations	2020-04-30
<a href="#">Integration of CT-based Qualitative and Radiomic Features with Proteomic Variables in Patients with High-Grade Serous Ovarian Cancer: An Exploratory Analysis</a>	Ovarian	Ovary	20	<a href="#">TCGA-OV</a>	Radiologist assessments of image features, proteogenomic features	2020-04-15
<a href="#">Thoracic Volume and Pleural Effusion Segmentations in Diseased Lungs for Benchmarking Chest CT Processing Pipelines</a>	Lung	Lung	402	<a href="#">NSCLC-Radiomics</a>	Thoracic segmentations, pleural effusion segmentations, image features	2020-04-08
<a href="#">Standardized representation of the TCIA LIDC-IDRI annotations using DICOM</a>	Lung	Chest	1,010	<a href="#">LIDC-IDRI</a>	Tumor segmentations, image features	2020-03-26
<a href="#">Decoding tumour phenotype by noninvasive imaging using a quantitative radiomics approach</a>	Lung, Head-Neck	Lung, Head-Neck	701	<a href="#">NSCLC-Radiomics</a> , <a href="#">NSCLC-Radiomics-Genomics</a> , <a href="#">Head-Neck-Radiomics-HN1</a> , <a href="#">NSCLC-Radiomics-Interobserver1</a> , <a href="#">RIDER Lung CT</a>	Tumor segmentations and radiomic features	2020-03-23
<a href="#">RIDER Lung CT Segmentation Labels from: Decoding tumour phenotype by noninvasive imaging using a quantitative radiomics approach</a>	Lung	Chest	31	<a href="#">RIDER Lung CT</a>	Tumor segmentations	2020-02-13
<a href="#">Dataset of Segmented Nuclei in Hematoxylin and Eosin Stained Histopathology Images</a>	Various (14 collections)	Various (14 collections)		Various (14 TCGA collections)	Nuclei segmentations	2020-02-08
<a href="#">Data from Head and Neck Cancer CT Atlas</a>	Head and Neck Squamous Cell Carcinoma	Head-Neck	215	<a href="#">HNSCC</a>	Radiation Therapy Structures	2019-07-11
<a href="#">SDTM datasets of clinical data and measurements for selected cancer collections to TCIA</a>	Breast, Glioblastoma	Breast, Brain	516	<a href="#">ISPY1</a> , <a href="#">BREAST-DIAGNOSIS</a> , <a href="#">Breast-MRI-NACT-Pilot</a> , <a href="#">TCGA-BRCA</a> , <a href="#">Ivy GAP</a>	Standardized (SDTM format) conversions of clinical and image analysis data	2019-06-21
<a href="#">Crowds Cure Cancer: Data collected at the RSNA 2018 annual meeting</a>	Various (13 collections)	Various (13 collections)	324	Various (13 collections)	Lesion measurements	2019-05-30
<a href="#">QIN multi-site collection of Lung CT data with Nodule Segmentations</a>	Lung	Chest	31	<a href="#">Lung Phantom</a> , <a href="#">LIDC-IDRI</a> , <a href="#">QIN LUNG CT</a> , <a href="#">RIDER Lung CT</a>	Tumor segmentations	2018-12-18

<a href="#">Tumor-Infiltrating Lymphocytes Maps from TCGA H&amp;E Whole Slide Pathology Images</a>	Various (13 collections)	Various (13 collections)	4,759	Various (13 TCGA collections)	Deep learning based computational stain for staining tumor-infiltrating lymphocytes (TILs)	2018-12-17
<a href="#">TCGA Breast Phenotype Research Group Data sets</a>	Breast	Breast	84	TCGA-BRCA	Radiologist assessments of image features, lesion segmentations, radiomic features, and multi-gene assays	2018-09-04
<a href="#">Crowds Cure Cancer: Data collected at the RSNA 2017 annual meeting</a>	Lung Adenocarcinoma, Renal Clear Cell, Liver, Ovarian	Chest, Kidney, Liver, Ovary	352	TCGA-LUAD, TCGA-KIRC, TCGA-LIHC, TCGA-OV	Lesion measurements	2018-05-17
<a href="#">Long and Short Survival in Adenocarcinoma Lung CTs</a>	Lung Adenocarcinoma	Chest	40	LungCT-Diagnosis, QIN LUNG CT	Tumor segmentations and radiomic image features	2017-08-11
<a href="#">Segmentation Labels and Radiomic Features for the Pre-operative Scans of the TCGA-GBM collection</a>	Glioblastoma	Brain	135	TCGA-GBM	Tumor segmentations and radiomic image features	2017-07-17
<a href="#">Segmentation Labels and Radiomic Features for the Pre-operative Scans of the TCGA-LGG collection</a>	Low Grade Glioma	Brain	108	TCGA-LGG	Tumor segmentations and radiomic image features	2017-07-17
<a href="#">ROI Masks Defining Low-Grade Glioma Tumor Regions In the TCGA-LGG Image Collection</a>	Low Grade Glioma	Brain	188	TCGA-LGG	Radiologist assessments of image features, tumor segmentations	2017-03-17
<a href="#">Image Data Used in the Simulations of "The Role of Image Compression Standards in Medical Imaging: Current Status and Future Trends"</a>	Colon, Lung, Breast, Glioblastoma	Colon, Chest, Breast, Brain	40	CT COLONOGRAPHY, LIDC-IDRI, TCGA-BRCA, TCGA-GBM	N/A	2016-12-08
<a href="#">Glioblastoma: Imaging Genomic Mapping Reveals Sex-specific Oncogenic Associations of Cell Death</a>	Glioblastoma	Brain	99	TCGA-GBM	N/A	2016-08-02
<a href="#">Imaging Features, and Correlations with Genomic and Clinical Data from the TCGA Ovarian Radiology Research Group</a>	High-Grade Serous Ovarian Cancer	Ovary	93	TCGA-OV	Radiologist assessments of image features, genomic subtypes	2016-08-02
<a href="#">Spatial Habitat Features derived from Multiparametric Magnetic Resonance Imaging data from Glioblastoma Multifforme cases</a>	Glioblastoma	Brain	74	TCGA-GBM	N/A	2015-08-20
<a href="#">NCI-ISBI 2013 Challenge: Automated Segmentation of Prostate Structures</a>	Prostate	Prostate	80	PROSTATE-DIAGNOSIS, Prostate-3T	Prostate structure segmentations	2015-08-20
<a href="#">Radiogenomics of Clear Cell Renal Cell Carcinoma: Preliminary Findings of The Cancer Genome Atlas-Renal Cell Carcinoma (TCGA-RCC) Research Group</a>	Renal Clear Cell Carcinoma	Kidney	103	TCGA-KIRC	Radiologist assessments of image features	2015-05-28
<a href="#">Segmentation of Pulmonary Nodules in Computed Tomography Using a Regression Neural Network Approach and its Application to the Lung Image Database Consortium and Image Database Resource Initiative Dataset</a>	Lung	Chest	102	LIDC-IDRI	N/A	2015-02-24
<a href="#">MR Imaging Predictors of Molecular Profile and Survival: Multi-institutional Study of the TCGA Glioblastoma Data Set</a>	Glioblastoma	Brain	75	TCGA-GBM	Radiologist assessments of image features	2014-11-12
<a href="#">Radiogenomic Analysis of Breast Cancer: Luminal B Molecular Subtype Is Associated with Enhancement Dynamics at MR Imaging</a>	Breast	Breast	48	TCGA-BRCA	N/A	2014-11-12
<a href="#">Glioblastoma multifforme: exploratory radiogenomic analysis by using quantitative image features</a>	Glioblastoma	Brain	55	TCGA-GBM	Tumor segmentations	2014-11-05
<a href="#">Outcome Prediction in Patients with Glioblastoma by Using Imaging, Clinical, and Genomic Biomarkers: Focus on the Nonenhancing Component of the Tumor</a>	Glioblastoma	Brain	45	TCGA-GBM	Radiologist assessments of image features and hemodynamic parameters	2014-07-24
<a href="#">NSCLC Radiogenomics: Initial Stanford Study of 26 Cases</a>	Lung	Chest	26	NSCLC Radiogenomics	N/A	2013-03-01

