

TCIA Analysis Results

To enhance the value of TCIA collections for future research we encourage the research community to publish analysis datasets to augment our [primary datasets](#). Potential data types of interest include analysis results such as tumor segmentations, radiomics features, derived/reprocessed images, and radiologist assessments.

If your analysis results include voxel-based segmentations, parametric maps (e.g., maps of DCE or DWI MRI model parameter fits), or measurements derived from the segmented regions (e.g., radiomics features), you may consider using the [dcmqi library \(github link\)](#) to convert your dataset into standard DICOM representation.

Submitting a request to publish analysis results

In order to publish analysis results you must first identify the subset of TCIA data that you analyzed. This is done by creating a shared list using TCIA's Data Portal (see "[Creating a Shared List](#)"). Once a shared list is created you can send a request to publish your dataset to TCIA's [help desk](#) providing the following information:

- Shared List Name – The name of the TCIA shared list that identifies the data you have analyzed. (required – See [Creating a Shared List](#) for assistance)
- Title – The title of your dataset.
- Authors – The names of the authors who helped generate the dataset in the order you would like them to appear in the citation.
- Abstract – A brief abstract of the data. It should include how you selected the image data, how any analyses were generated/collected, and what the potential value of this data is for other TCIA users.
- Special Instructions – Any guidance about the timing of when we publish the DOI (e.g. it should not be listed until a related manuscript is published) or other questions/concerns.

Once we process your request your dataset will be published in our Analysis Results directory and will be assigned a unique/persistent digital object identifier (DOI). This DOI can be used to cite your dataset and also provides a web link to easily direct people to your data.

Analysis Results Directory

A listing of published analysis results data sets based upon TCIA-hosted data (sorted from newest to oldest):

- [Crowds Cure Cancer: Data collected at the RSNA 2017 annual meeting](#)
- [Tumor-Infiltrating Lymphocytes Maps from TCGA H&E Whole Slide Pathology Images](#)
- [Data from Head and Neck Cancer CT Atlas](#)
- [Image Data Used in the Simulations of "The Role of Image Compression Standards in Medical Imaging: Current Status and Future Trends"](#)
- [Segmentation Labels and Radiomic Features for the Pre-operative Scans of the TCGA-LGG collection](#)
- [Segmentation Labels and Radiomic Features for the Pre-operative Scans of the TCGA-GBM collection](#)
- [NSCLC Radiogenomics: Initial Stanford Study of 26 Cases](#)
- [Long and Short Survival in Adenocarcinoma Lung CTs](#)
- [TCGA Breast Phenotype Research Group Data sets](#)
- [ROI Masks Defining Low-Grade Glioma Tumor Regions In the TCGA-LGG Image Collection](#)
- [NCI-ISBI 2013 Challenge: Automated Segmentation of Prostate Structures](#)
- [Spatial Habitat Features derived from Multiparametric Magnetic Resonance Imaging data from Glioblastoma Multiforme cases](#)
- [QIN multi-site collection of Lung CT data with Nodule Segmentations](#)
- [Glioblastoma multiforme: exploratory radiogenomic analysis by using quantitative image features](#)
- [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](#)
- [Radiogenomics of Clear Cell Renal Cell Carcinoma: Preliminary Findings of The Cancer Genome Atlas-Renal Cell Carcinoma \(TCGA-RCC\) Research Group](#)
- [Radiogenomic Analysis of Breast Cancer: Luminal B Molecular Subtype Is Associated with Enhancement Dynamics at MR Imaging](#)
- [Outcome Prediction in Patients with Glioblastoma by Using Imaging, Clinical, and Genomic Biomarkers: Focus on the Nonenhancing Component of the Tumor](#)
- [MR Imaging Predictors of Molecular Profile and Survival: Multi-institutional Study of the TCGA Glioblastoma Data Set](#)
- [Glioblastoma: Imaging Genomic Mapping Reveals Sex-specific Oncogenic Associations of Cell Death](#)
- [Decoding tumour phenotype by noninvasive imaging using a quantitative radiomics approach](#)
- [Data from: Quantitative computed tomographic descriptors associate tumor shape complexity and intratumor heterogeneity with prognosis in lung adenocarcinoma](#)