

Resource Summary Report

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Cancer Imaging Archive (TCIA)

RRID:SCR_008927

Type: Tool

Proper Citation

Cancer Imaging Archive (TCIA) (RRID:SCR_008927)

Resource Information

URL: <http://www.cancerimagingarchive.net/>

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Description: Archive of medical images of cancer accessible for public download. All images are stored in DICOM file format and organized as Collections, typically patients related by common disease (e.g. lung cancer), image modality (MRI, CT, etc) or research focus. Neuroimaging data sets include clinical outcomes, pathology, and genomics in addition to DICOM images. Submitting Data Proposals are welcomed.

Abbreviations: TCIA

Synonyms: TCIA, Cancer Imaging Archive, The Cancer Imaging Archive (TCIA), Cancer Imaging Archive (TCIA), The Cancer Imaging Archive

Resource Type: service resource, data repository, data set, catalog, image repository, data or information resource, database, storage service resource

Keywords: dicom, imaging, ct, pet, pt, x-ray, mri, magnetic resonance, medical, clinical, research, clinical neuroinformatics, computed tomography, dicom, imaging genomics, magnetic resonance, pet, spect, test data, web service, image collection, image, FASEB list

Related Condition: Cancer

Funding: NCI

Availability: Restricted

Resource Name: Cancer Imaging Archive (TCIA)

Resource ID: SCR_008927

Alternate IDs: DOI:10.25504/FAIRsharing.jrfd8y, DOI:10.17616/R3NH0V, DOI:10.7937, nlx_151749, r3d100011559

Alternate URLs: <http://www.nitrc.org/projects/tcia>, <http://www.cancerimagingarchive.net/>, <http://www.cancerimagingarchive.net/primary-data/>, <https://wiki.cancerimagingarchive.net/display/Public/Collections>, <https://doi.org/10.17616/R3NH0V>, <https://doi.org/10.17616/r3NH0V>, <https://doi.org/10.7937/>, <https://dx.doi.org/10.7937/>, <https://fairsharing.org/10.25504/FAIRsharing.jrfd8y>, <https://doi.org/10.17616/R3NH0V>, <https://doi.org/10.17616/R3NH0V>

Record Creation Time: 20220129T080250+0000

Record Last Update: 20260731T042806+0000

Ratings and Alerts

No rating or validation information has been found for Cancer Imaging Archive (TCIA).

No alerts have been found for Cancer Imaging Archive (TCIA).

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 287 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Zhang M, et al. (2025) Increased SOAT2 expression in aged regulatory T cells is associated with altered cholesterol metabolism and reduced anti-tumor immunity. *Nature communications*, 16(1), 630.

Eckardt JN, et al. (2025) Synthetic bone marrow images augment real samples in developing acute myeloid leukemia microscopy classification models. *NPJ digital medicine*, 8(1), 173.

Byeon Y, et al. (2025) Interpretable multimodal transformer for prediction of molecular subtypes and grades in adult-type diffuse gliomas. *NPJ digital medicine*, 8(1), 140.

Huang Y, et al. (2025) Integration of histopathological image features and multi-dimensional omics data in predicting molecular features and survival in glioblastoma. *Frontiers in medicine*, 12, 1510793.

Wang H, et al. (2025) Multimodal MRI radiomics based on habitat subregions of the tumor microenvironment for predicting risk stratification in glioblastoma. *PloS one*, 20(6), e0326361.

- Nishizawa T, et al. (2025) Attention-based multimodal deep learning for interpretable and generalizable prediction of pathological complete response in breast cancer. *Journal of translational medicine*, 23(1), 774.
- Tolbert TM, et al. (2025) Research Priorities for Translating Endophenotyping of Adult Obstructive Sleep Apnea to the Clinic: An Official American Thoracic Society Research Statement. *American journal of respiratory and critical care medicine*, 211(9), 1562.
- Zhang S, et al. (2025) CT radiomic stratification signature to optimize clinical decisions for ovarian cancer patients receiving neoadjuvant chemotherapy and the underlying biological basis: a multicenter retrospective study. *Journal of translational medicine*, 23(1), 1184.
- Altinok O, et al. (2025) Habitat Radiomics Predict HPV Status in Oropharyngeal Cancer. *Cancer medicine*, 14(24), e71481.
- Wagner VM, et al. (2025) Real-World Benchmarking and Validation of Foundation Model Transformers for Endometrial Cancer Subtyping from Histopathology. *medRxiv : the preprint server for health sciences*.
- Song P, et al. (2025) An integrated MRI-based diagnostic framework for glioma with incomplete imaging sequences and imperfect annotations. *NPJ precision oncology*, 9(1), 328.
- Abbad Andaloussi M, et al. (2025) Exploring adult glioma through MRI: A review of publicly available datasets to guide efficient image analysis. *Neuro-oncology advances*, 7(1), vdae197.
- Walton WC, et al. (2025) Uncertainty Estimation for Dual View X-ray Mammographic Image Registration Using Deep Ensembles. *Journal of imaging informatics in medicine*, 38(3), 1829.
- Pan S, et al. (2025) MRI features and prognostic evaluation in patients with subventricular zone-contacting IDH-wild-type glioblastoma. *Radiology and oncology*, 59(2), 329.
- Chen L, et al. (2025) Multi-platform integration of histopathological images and omics data predicts molecular features and prognosis of hepatocellular carcinoma. *Frontiers in oncology*, 15, 1591165.
- Zhang H, et al. (2025) Prediction and analysis of tumor infiltrating lymphocytes across 28 cancers by TILScout using deep learning. *NPJ precision oncology*, 9(1), 76.
- Zhang X, et al. (2025) Development of a radiomic model to predict CEACAM1 expression and prognosis in ovarian cancer. *Scientific reports*, 15(1), 15259.
- Nakase T, et al. (2025) Integration of MRI radiomics and germline genetics to predict the IDH mutation status of gliomas. *NPJ precision oncology*, 9(1), 187.
- Li X, et al. (2025) Multi-scale error-driven dense residual network for image super-resolution reconstruction. *PloS one*, 20(9), e0330615.
- Gu Y, et al. (2025) The dual role of CXCL9/SPP1 polarized tumor-associated macrophages in modulating anti-tumor immunity in hepatocellular carcinoma. *Frontiers in immunology*, 16, 1528103.