Collections

The image data in The Cancer Imaging Archive (TCIA) is organized into purpose-built collections. A collection typically includes studies from several subjects (patients). In some collections, there may be only one study per subject. In other collections, subjects may have been followed over time, in which case there will be multiple studies per subject. The subjects typically have a disease and/or particular anatomical site (lung, brain, etc.) in common.

Please visit our home page for more information about our Collections or click on one from the list below:

- 3D pathology of prostate biopsies with biochemical recurrence outcomes: raw H&E-analog datasets and image translation-assisted segmentation in 3D (ITAS3D) datasets (PCa_Bx_3Dpathology)
- AAPM RT-MAC Grand Challenge 2019 (AAPM-RT-MAC)
- Abbreviated Breast MRI and Digital Tomosynthesis Mammography in Screening Women With Dense Breasts (EA1141)
- Abdominal or pelvic enhanced CT images within 10 days before surgery of 230 patients with stage II colorectal cancer (StageII-Colorectal-CT)
- ACRIN 6664 (CT COLONOGRAPHY)
- ACRIN 6667 (ACRIN-Contralateral-Breast-MR)
- ACRIN 6668 (ACRIN-NSCLC-FDG-PET)
- ACRIN 6677/RTOG 0625 (ACRIN-DSC-MR-Brain)
- ACRIN 6684 (ACRIN-FMISO-Brain)
- ACRIN 6685 (ACRIN-HNSCC-FDG-PET-CT)
- ACRIN 6688 (ACRIN-FLT-Breast)
- ACRIN 6698/I-SPY2 Breast DWI (ACRIN-6698)
- A dataset of histopathological whole slide images for classification of Treatment effectiveness to ovarian cancer (Ovarian Bevacizumab Response)
- A DICOM dataset for evaluation of medical image de-identification (Pseudo-PHI-DICOM-Data)
- AI-ready restained and co-registered multiplex dataset for head-and-neck carcinoma (HNSCC-mIF-mIHC-comparison)
- A Large-Scale CT and PET/CT Dataset for Lung Cancer Diagnosis (Lung-PET-CT-Dx)
- A morphological dataset of white blood cells from patients with four different genetic AML entities and non-malignant controls (AML-Cytomorphology_MLL_Helmholtz)
- A new 2.5 D representation for lymph node detection in CT (CT Lymph Nodes)
- An Expert-Annotated Dataset of Bone Marrow Cytology in Hematologic Malignancies (Bone-Marrow-Cytomorphology_MLL_Helmholtz_Fraunhofer)
- Anti-PD-1 Immunotherapy Lung (Anti-PD-1_Lung)
- Anti-PD-1 Immunotherapy Melanoma (Anti-PD-1_MELANOMA)
- Applied Proteogenomics OrganizationaL Learning and Outcomes (APOLLO)
- A radiomics model from joint FDG-PET and MRI texture features for the prediction of lung metastases in soft-tissue sarcomas of the extremities (Soft-tissue-Sarcoma)
- A Randomized Phase III Study Comparing Carboplatin/Paclitaxel or Carboplatin/Paclitaxel/Bevacizumab With or Without Concurrent Cetuximab in Patients With Advanced Non-small Cell Lung Cancer (S0819)
- A Single-cell Morphological Dataset of Leukocytes from AML Patients and Non-malignant Controls (AML-Cytomorphology_LMU)
- Assessment of Residual Breast Cancer Cellularity after Neoadjuvant Chemotherapy using Digital Pathology (Post-NAT-BRCA)
- A whole-body FDG-PET/CT dataset with manually annotated tumor lesions (FDG-PET-CT-Lesions)
- Brain-Tumor-Progression

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- Brain Tumor Recurrence Prediction after Gamma Knife Radiotherapy from MRI and Related DICOM-RT: An Open Annotated Dataset and Baseline Algorithm (Brain-TR-GammaKnife)
- Breast Cancer Screening - Digital Breast Tomosynthesis (Breast-Cancer-Screening-DBT)
- BREAST-DIAGNOSIS
- Breast Metastases to Axillary Lymph Nodes (SLN-Breast)
- Breath-hold CT and cone-beam CT images with expert manual organ-at-risk segmentations from radiation treatments of locally advanced pancreatic cancer (Pancreatic-CT-CBCT-SEG)
- Burdenko's Glioblastoma Progression Dataset (Burdenko-GBM-Progression)
- C_NMC_2019 Dataset: ALL Challenge dataset of ISBI 2019 (C-NMC 2019)
- Cancer Moonshot Biobank - Acute Myeloid Leukemia Cancer Collection (CMB-AML)
- Cancer Moonshot Biobank - Colorectal Cancer Collection (CMB-CRC)
- Cancer Moonshot Biobank Date Handling
- Cancer Moonshot Biobank - Gastroesophageal Cancer Collection (CMB-GEC)
- Cancer Moonshot Biobank - Lung Cancer Collection (CMB-LCA)
- Cancer Moonshot Biobank - Melanoma Collection (CMB-MEL)
- Cancer Moonshot Biobank - Multiple Myeloma Collection (CMB-MML)
- Cancer Moonshot Biobank - Prostate Cancer Collection (CMB-PCA)
- CAnine CuTaneous Cancer Histology Dataset (CATCH)
- Canine glioma characterization project for ICDC (ICDC-Glioma)
- Categorized Digital Database for Low energy and Subtracted Contrast Enhanced Spectral Mammography images (CDD-CESM)
- Cervical Cancer – Tumor Heterogeneity: Serial Functional and Molecular Imaging Across the Radiation Therapy Course in Advanced Cervical Cancer (CC-Tumor-Heterogeneity)
- Chemotherapy and Radiation Therapy in Treating Young Patients With Newly Diagnosed, Previously Untreated, High-Risk Medulloblastoma/PNET (ACNS0332)
- Chest Imaging with Clinical and Genomic Correlates Representing a Rural COVID-19 Positive Population (COVID-19-AR)
- Combination Chemotherapy and Radiation Therapy in Treating Young Patients With Newly Diagnosed Hodgkin Lymphoma (AHOD0831)
- Combination Chemotherapy and Surgery in Treating Young Patients With Wilms Tumor (AREN0534)
- Combination Chemotherapy With or Without Radiation Therapy in Treating Young Patients With Newly Diagnosed Stage III or Stage IV Wilms Tumor (AREN0533)
- Computed Tomography Images from Large Head and Neck Cohort (RADCURE)
- Credence Cartridge Radiomics Phantom CT Scans (CC-Radiomics-Phantom)
- Credence Cartridge Radiomics Phantom CT Scans with Controlled Scanning Approach (CC-Radiomics-Phantom-2)
- CT Images in COVID-19
- CT Phantom Scans for Head, Chest, and Controlled Protocols on 100 Scanners (CC-Radiomics-Phantom-3)
- CT Ventilation as a Functional Imaging Modality for Lung Cancer Radiotherapy (CT-vs-PET-Ventilation-Imaging)
- CT volumes with multiple organ segmentations (CT-ORG)
- Curated Breast Imaging Subset of Digital Database for Screening Mammography (CBIS-DDSM)
- Data from 4D Lung Imaging of NSCLC Patients (4D-Lung)
- Data from The Lung Image Database Consortium (LIDC) and Image Database Resource Initiative (IDRI): A completed reference database of lung nodules on CT scans (LIDC-IDRI)
- Data from the training set of the 2019 Kidney and Kidney Tumor Segmentation Challenge (C4KC-KiTS)
- Digital pathological slides from Hungarian colorectal cancer screening (Hungarian-Colorectal-Screening)

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- Dynamic contrast-enhanced magnetic resonance images of breast cancer patients with tumor locations (Duke-Breast-Cancer-MRI)
- Expert Anal Cancer Consensus Staging (ExACT)
- Fused Radiology-Pathology Lung Dataset (Lung-Fused-CT-Pathology)
- Fused Radiology-Pathology Prostate Dataset (Prostate Fused-MRI-Pathology)
- Gamma Knife MR/CT/RTSTRUCT Sets With Hippocampal Contours (GammaKnife-Hippocampal)
- GBM-DSC-MRI-DRO
- Glioma DSC-MRI Perfusion Data with Standard Imaging and ROIs (QIN-BRAIN-DSC-MRI)
- Glioma Image Segmentation for Radiotherapy: RT targets, barriers to cancer spread, and organs at risk (GLIS-RT)
- H&E and immunohistochemical stain images of 209 cases of diffuse large B-cell lymphoma linked with cytogenetic features and clinical outcomes (DLBCL-Morphology)
- Head-and-neck squamous cell carcinoma patients with CT taken during pre-treatment, mid-treatment, and post-treatment (HNSCC-3DCT-RT)
- Head-Neck Cetuximab
- Head-Neck-PET-CT
- HEAD-NECK-RADIOMICS-HN1
- HER2 and trastuzumab treatment response H&E slides with tumor ROI annotations (HER2 tumor ROIs)
- High-dimensional imaging of colorectal carcinoma and other tumors with 50+ markers (CRC_FFPE-CODEX_CellNeighs)
- Highly multiplexed spatially resolved immune cell atlas of hepatocellular carcinoma (CODEX imaging of HCC)
- HNSCC
- Imaging characterization of a metastatic patient derived model of adenocarcinoma colon: (PDMR-997537-175-T)
- Imaging characterization of a metastatic patient derived model of adenocarcinoma pancreas: (PDMR-292921-168-R)
- Imaging characterization of a metastatic patient derived model of adenocarcinoma pancreas: (PDMR-521955-158-R4)
- Imaging characterization of a metastatic patient derived model of bladder cancer: BL0293F (PDMR-BL0293-F563)
- Imaging characterization of a metastatic patient derived model of melanoma: (PDMR-425362-245-T)
- Imaging tissue characterization of a patient derived xenograft model of adenocarcinoma pancreas: (PDMR-833975-119-R)
- I-SPY 2 Breast Dynamic Contrast Enhanced MRI Trial (ISPY2)
- Ivy Glioblastoma Atlas Project (IvyGAP)
- LGG-1p19qDeletion
- Low Dose CT Image and Projection Data (LDCT-and-Projection-data)
- Low-Dose CT Images of Healthy Cohort (Healthy-Total-Body CTs)
- Lung CT Segmentation Challenge 2017 (LCTSC)
- Lung Phantom
- Medical Imaging Data Resource Center (MIDRC) - RSNA International COVID-19 Open Radiology Database (RICORD) Release 1a - Chest CT Covid+ (MIDRC-RICORD-1A)
- Medical Imaging Data Resource Center (MIDRC) - RSNA International COVID-19 Open Radiology Database (RICORD) Release 1b - Chest CT Covid- (MIDRC-RICORD-1B)
- Medical Imaging Data Resource Center (MIDRC) - RSNA International COVID-19 Open Radiology Database (RICORD) Release 1c - Chest x-ray Covid+ (MIDRC-RICORD-1C)
- MiMM_SBILab Dataset: Microscopic Images of Multiple Myeloma (MiMM_SBILab)
- Mouse-Astrocytoma
- Mouse-Mammary

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- Multi-center breast DCE-MRI data and segmentations from patients in the I-SPY 1/ACRIN 6657 trials (ISPY1)
- Multimodality annotated HCC cases with and without advanced imaging segmentation (HCC-TACE-Seg)
- Multi-parametric magnetic resonance imaging (mpMRI) scans for de novo Glioblastoma (GBM) patients from the University of Pennsylvania Health System (UPENN-GBM)
- NaF PROSTATE
- Nascent prostate cancer heterogeneity drives evolution and resistance to intense hormonal therapy (NADT-Prostate)
- National Clinical Trials Network (NCTN) Date Handling
- NRG-1308
- NSCLC Radiogenomics
- NSCLC-Radiomics
- NSCLC-Radiomics-Genomics
- NSCLC-Radiomics-Interobserver1
- Osteosarcoma data from UT Southwestern/UT Dallas for Viable and Necrotic Tumor Assessment (Osteosarcoma Tumor Assessment)
- Pancreas-CT
- Pediatric Chest/Abdomen/Pelvic CT Exams with Expert Organ Contours (Pediatric-CT-SEG)
- Pelvic-Reference-Data
- Phantom FDA
- Prediction of Sunitinib Efficacy using Computed Tomography in Patients with Pancreatic Neuroendocrine Tumors (CTpred-Sunitinib-panNET)
- Preoperative CT and Survival Data for Patients Undergoing Resection of Colorectal Liver Metastases (Colorectal-Liver-Metastases)
- Prostate-3T
- PROSTATE-DIAGNOSIS
- PROSTATE-MRI
- Prostate MRI and Ultrasound With Pathology and Coordinates of Tracked Biopsy (Prostate-MRI-US-Biopsy)
- Proteogenomic analysis of chemo-refractory high grade serous ovarian cancer (PTRC-HGSOC)
- QIBA Anthropomorphic Abdominal Phantom CT Scans (QIBA-CT-Liver-Phantom)
- QIBA CT-1C
- QIN-Breast
- QIN-BREAST-02
- QIN GBM Treatment Response
- QIN-HEADNECK
- QIN LUNG CT
- QIN PET Phantom
- QIN PROSTATE
- QIN-PROSTATE-Repeatability
- QIN-SARCOMA
- Quantitative computed tomographic descriptors associate tumor shape complexity and intratumor heterogeneity with prognosis in lung adenocarcinoma (LungCT-Diagnosis)
- Quantitative Imaging Network Collections
- Radiation Therapy, Amifostine, and Chemotherapy in Treating Young Patients With Newly Diagnosed Nasopharyngeal Cancer (ARAR0331)
- Radiomic Biomarkers in Oropharyngeal Carcinoma (OPC-Radiomics)
- REMBRANDT
- RIDER Breast MRI

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- RIDER Collections
- RIDER Lung CT
- RIDER Lung PET-CT
- RIDER NEURO MRI
- RIDER PHANTOM MRI
- RIDER Phantom PET-CT
- RIDER Pilot
- Risk-Based Therapy in Treating Younger Patients With Newly Diagnosed Liver Cancer (AHEP0731)
- Rituximab and Combination Chemotherapy in Treating Patients With Diffuse Large B-Cell Non-Hodgkin's Lymphoma (CALGB50303)
- RTOG-0617 (NSCLC-Cetuximab)
- Segmentation and Classification of Grade I and II Meningiomas from Magnetic Resonance Imaging: An Open Annotated Dataset (Meningioma-SEG-CLASS)
- Segmentation of Vestibular Schwannoma from Magnetic Resonance Imaging: An Annotated Multi-Center Routine Clinical Dataset (Vestibular-Schwannoma-MC-RC)
- Segmentation of Vestibular Schwannoma from Magnetic Resonance Imaging: An Open Annotated Dataset and Baseline Algorithm (Vestibular-Schwannoma-SEG)
- Serial Non-contrast Non-gated T2w MRI Datasets of Patient-derived Xenograft Cancer Models for Development of Tissue Characterization Algorithms (PDMR-Texture-Analysis)
- Single site breast DCE-MRI data and segmentations from patients undergoing neoadjuvant chemotherapy (Breast-MRI-NACT-Pilot)
- SN-AM Dataset: White Blood cancer dataset of B-ALL and MM for stain normalization (SN-AM)
- Sorafenib Tosylate in Treating Patients With Desmoid Tumors or Aggressive Fibromatosis (A091105)
- SPIE-AAPM-NCI Lung Nodule Classification Challenge Dataset (SPIE-AAPM Lung CT Challenge)
- SPIE-AAPM-NCI PROSTATEx Challenges (PROSTATEx)
- Stanford DRO Toolkit: Digital Reference Objects for Standardization of Radiomic Features (DRO-Toolkit)
- Stony Brook University COVID-19 Positive Cases (COVID-19-NY-SBU)
- Stress-Testing Pelvic Autosegmentation Algorithms Using Anatomical Edge Cases (Prostate-Anatomical-Edge-Cases)
- Synthetic and Phantom MR Images for Determining Deformable Image Registration Accuracy (MRI-DIR)
- Task-Based Anthropomorphic CT Phantom for Radiomics Stability and Discriminatory Power Analyses (CT-Phantom4Radiomics)
- The Brain Resection Multimodal Imaging Database (ReMIND)
- The Cancer Genome Atlas Breast Invasive Carcinoma Collection (TCGA-BRCA)
- The Cancer Genome Atlas Cervical Kidney Renal Papillary Cell Carcinoma Collection (TCGA-KIRP)
- The Cancer Genome Atlas Cervical Squamous Cell Carcinoma and Endocervical Adenocarcinoma Collection (TCGA-CESC)
- The Cancer Genome Atlas Colon Adenocarcinoma Collection (TCGA-COAD)
- The Cancer Genome Atlas Esophageal Carcinoma Collection (TCGA-ESCA)
- The Cancer Genome Atlas Glioblastoma Multiforme Collection (TCGA-GBM)
- The Cancer Genome Atlas Head-Neck Squamous Cell Carcinoma Collection (TCGA-HNSC)
- The Cancer Genome Atlas Kidney Chromophobe Collection (TCGA-KICH)
- The Cancer Genome Atlas Kidney Renal Clear Cell Carcinoma Collection (TCGA-KIRC)
- The Cancer Genome Atlas Liver Hepatocellular Carcinoma Collection (TCGA-LIHC)
- The Cancer Genome Atlas Low Grade Glioma Collection (TCGA-LGG)
- The Cancer Genome Atlas Lung Adenocarcinoma Collection (TCGA-LUAD)
- The Cancer Genome Atlas Lung Squamous Cell Carcinoma Collection (TCGA-LUSC)

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- The Cancer Genome Atlas Ovarian Cancer Collection (TCGA-OV)
- The Cancer Genome Atlas Prostate Adenocarcinoma Collection (TCGA-PRAD)
- The Cancer Genome Atlas Rectum Adenocarcinoma Collection (TCGA-READ)
- The Cancer Genome Atlas Sarcoma Collection (TCGA-SARC)
- The Cancer Genome Atlas Stomach Adenocarcinoma Collection (TCGA-STAD)
- The Cancer Genome Atlas Thyroid Cancer Collection (TCGA-THCA)
- The Cancer Genome Atlas Urothelial Bladder Carcinoma Collection (TCGA-BLCA)
- The Cancer Genome Atlas Uterine Corpus Endometrial Carcinoma Collection (TCGA-UCEC)
- The Chinese Mammography Database (CMMD)
- The Clinical Proteomic Tumor Analysis Consortium Acute Myeloid Leukemia Collection (CPTAC-AML)
- The Clinical Proteomic Tumor Analysis Consortium Breast Invasive Carcinoma Collection (CPTAC-BRCA)
- The Clinical Proteomic Tumor Analysis Consortium Clear Cell Renal Cell Carcinoma Collection (CPTAC-CCRCC)
- The Clinical Proteomic Tumor Analysis Consortium Colon Adenocarcinoma Collection (CPTAC-COAD)
- The Clinical Proteomic Tumor Analysis Consortium Cutaneous Melanoma Collection (CPTAC-CM)
- The Clinical Proteomic Tumor Analysis Consortium Glioblastoma Multiforme Collection (CPTAC-GBM)
- The Clinical Proteomic Tumor Analysis Consortium Head and Neck Squamous Cell Carcinoma Collection (CPTAC-HNSCC)
- The Clinical Proteomic Tumor Analysis Consortium Lung Adenocarcinoma Collection (CPTAC-LUAD)
- The Clinical Proteomic Tumor Analysis Consortium Lung Squamous Cell Carcinoma Collection (CPTAC-LSCC)
- The Clinical Proteomic Tumor Analysis Consortium Ovarian Serous Cystadenocarcinoma Collection (CPTAC-OV)
- The Clinical Proteomic Tumor Analysis Consortium Pancreatic Ductal Adenocarcinoma Collection (CPTAC-PDA)
- The Clinical Proteomic Tumor Analysis Consortium Sarcomas Collection (CPTAC-SAR)
- The Clinical Proteomic Tumor Analysis Consortium Uterine Corpus Endometrial Carcinoma Collection (CPTAC-UCEC)
- The Río Hortega University Hospital Glioblastoma dataset: a comprehensive collection of preoperative, early postoperative and recurrence MRI scans (RHUH-GBM)
- The University of California San Francisco Preoperative Diffuse Glioma MRI (UCSF-PDGM)
- The VICTRE Trial: Open-Source, In-Silico Clinical Trial For Evaluating Digital Breast Tomosynthesis (VICTRE)
- Ultrasound data of a variety of liver masses (B-mode-and-CEUS-Liver)
- Variations of dynamic contrast-enhanced magnetic resonance imaging in evaluation of breast cancer therapy response: a multicenter data analysis challenge (QIN Breast DCE-MRI)
- Vincristine, Dactinomycin, and Doxorubicin With or Without Radiation Therapy or Observation Only in Treating Younger Patients Who Are Undergoing Surgery for Newly Diagnosed Stage I, Stage II, or Stage III Wilms' Tumor (AREN0532)
- Voxel-level segmentation of pathologically-proven Adrenocortical carcinoma with Ki-67 expression (Adrenal-ACC-Ki67-Seg)

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