

DataBase Name	Website	Modality	Body Part	Institute	Image Number
Digital Morphology library	http://digimorph.org/	X-ray	animal	The University of Texas Digital Morphology Group	Thousands
Anatomium 3D	http://www.anatomium.com/n-plist.html	3D	body	ANATOMIUM	4 datasets
Expertly segmented structures on high resolution T1 and T2 human brain scans	https://github.com/CobraLab/atlas	MRI	brain	Mental Health University Institute	5
Ischemic Stroke Lesion Segmentation (ISLES)	https://www.virtualskelton.ch/ISLES/Start2015	MRI	brain	a medical image segmentation challenge at the International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI) 2015	
LONI Brain Image Database	https://ida.loni.usc.edu/login.jsp?search=true	miscellaneous	brain	Image&Data Archive Powered by LONI	44,321 subjects
National Alliance for Medical Image Computing (NAMIC)	http://insight-journal.org/midas/community/view/17	MRI	brain	National Alliance for Medical Image Computing (NAMIC)	1819(16GB)
MRBrains	http://mrbrains13.isi.uu.nl/index.php	MRI	brain	MR Brain Image Segmentation workshop	20 datasets
The Medical-image Analysis and Statistical Interpretation (MASI) lab	https://my.vanderbilt.edu/masi/about-us/	MRI	brain	The Medical-image Analysis and Statistical Interpretation (MASI) lab	50 patients
The Open Access Series of Imaging Studies (OASIS)	http://www.oasis-brains.org/	MRI	brain	The Open Access Series of Imaging Studies (OASIS)	Thousands
Brainnetome Atlas	http://atlas.brainnetome.org/index.html	MRI	brain	Chinese Academy of Sciences	20 healthy people
Tractography Challenge ISMRM 2015 High-resolution Data	https://zenodo.org/record/579933#.WgT6X4VOJPZ	MRI	brain	Tractography Challenge ISMRM 2015 High-resolution Data	
HCP_S1200_GroupAv	https://www.humanconnectomeproject.org/	MRI	brain	Human Connectome	1200 Subjects

g_v1 Dataset	onnectome.org/study/hcp-young-adult/document/extensively-processed-fmri-data-documentation			Project (HCP)	
1200 Subjects Data	https://www.humanconnectome.org/study/hcp-young-adult/document/1200-subjects-data-release	MRI	brain	Human Connectome Project (HCP)	1206 healthy young adult
900 Subjects Data Release Reference	https://www.humanconnectome.org/study/hcp-young-adult/document/900-subjects-data-release	MRI	brain	Human Connectome Project (HCP)	970 healthy adult participants
500 Subjects Plus MEG2	https://www.humanconnectome.org/study/hcp-young-adult/document/500-subjects-data-release	MRI	brain	Human Connectome Project (HCP)	542 healthy adult participants
HCP Lifespan Pilot Data	https://www.humanconnectome.org/study/hcp-young-adult/document/meg-initial-release	MRI	brain	Human Connectome Project (HCP)	6 age groups (4-6, 8-9, 14-15, 25-35, 45-55, 65-75)
MGH Adult Diffusion Data	https://www.humanconnectome.org/study/hcp-young-adult/document/mgh-adult-diffusion-data-acquisition-details	MRI	brain	Human Connectome Project (HCP)	35 healthy adults, between the ages of 20 and 59
MEG1 Initial Data Release	https://www.humanconnectome.org/study/hcp-young-adult/document/meg-initial-release	MRI	brain	Human Connectome Project (HCP)	14 MEG-scanned participants
Q1-Q3 Diffusion Data Update	https://www.humanconnectome.org/study/hcp-young-adult/document/q3-data-update-diffusion-complete	MRI	brain	Human Connectome Project (HCP)	215 subjects
Q3 Subjects Data	https://www.humanconnectome.org/study/hcp-young-adult/doc	MRI	brain	Human Connectome Project (HCP)	85 healthy young adults

	ument/q3-data-release				
Q2 Subjects Data	https://www.humanconnectome.org/study/hcp-young-adult/document/q2-data-release	MRI	brain	Human Connectome Project (HCP)	
Q1 Subjects Data	https://www.humanconnectome.org/study/hcp-young-adult/document/q1-data-release	MRI	brain	Human Connectome Project (HCP)	
HCP Aging	https://www.humanconnectome.org/study/hcp-lifespan-aging	MRI	brain	Human Connectome Project (HCP)	1,500+ healthy adults ages 36-100+
HCP Development	https://www.humanconnectome.org/study/hcp-lifespan-development	MRI	brain	Human Connectome Project (HCP)	1,300+ healthy children, adolescents, and young adults (ages 5-21)
LifeSpan Baby Connectome Project (BCP)	https://www.humanconnectome.org/study/lifespan-baby-connectome-project	MRI	brain	Lifespan Baby Connectome Project	500 Subjects, Age 0-5
Developing Human Connectome Project (dHCP)	https://www.humanconnectome.org/study/lifespan-developing-human-connectome-project	MRI	brain	Lifespan Developing Human Connectome Project	1500 Subjects, Age 20-44 weeks post-conception
Alzheimer's Disease Connectome Project (ADCP)	https://www.humanconnectome.org/study/alzheimers-disease-connectome-project	MRI,PET	brain	CRHD Alzheimer's Disease Connectome Project	300 Subjects, Age 55-90
Amish Connectome Project (ACP)	https://www.humanconnectome.org/study/amish-connectome-project	MRI	brain	CRHD Amish Connectome Project	450 Subjects, Age 18-85
CRHD Changes in Visual Cortical Connectivity Following Central Visual Field Loss	https://www.humanconnectome.org/study/changes-visual-cortical-connectivity-following-central-visual-field-loss	MRI	brain	CRHD Changes in Visual Cortical Connectivity Following Central Visual Field Loss	100 Subjects, Age 18-89

Connectomes Related to Anxiety and Depression in Adolescents Project	https://www.humanconnectome.org/study/connectomes-related-anxiety-depression	MRI	brain	CRHD Connectomes Related to Anxiety & Depression	225 Subjects, Age 14-15
CRHD Connectomic Imaging in Familial & Sporadic Frontotemporal Degeneration	https://www.humanconnectome.org/study/connectomic-imaging-familial-sporadic-frontotemporal-degeneration	MRI	brain	CRHD Connectomic Imaging in Familial & Sporadic Frontotemporal Degeneration	200 Subjects, Age 18-60
CRHD Connectomics in Brain Aging and Dementia	https://www.humanconnectome.org/study/connectomics-brain-aging-and-dementia	MRI	brain	CRHD Connectomics in Brain Aging and Dementia	400 Subjects, Age 50-89
Dimensional Connectomics of Anxious Misery Project	https://www.humanconnectome.org/study/crhd-dimensional-connectomics-anxious-misery	MRI	brain	CRHD Dimensional Connectomics of Anxious Misery	250 Subjects, Age 18-45
Epilepsy Connectome Project (ECP)	https://www.humanconnectome.org/study/epilepsy-connectome-project	MRI	brain	CRHD Epilepsy Connectome Project	340 Subjects, Age 18-50
Human Connectome Project for Early Psychosis	https://www.humanconnectome.org/study/human-connectome-project-for-early-psychosis	MRI	brain	CRHD Human Connectome Project for Early Psychosis	400 Subjects, Age 16-35
CRHD Human Connectomes	https://www.humanconnectome.org/study/crhd-human-connectomes-low-vision-blindness-and-sight-restoration	MRI	brain	CRHD Human Connectomes for Low Vision, Blindness, and Sight Restoration	260 Subjects, Age 20-80
Psychosis Human Connectome Project (P-HCP)	https://www.humanconnectome.org/study/crhd-neural-disconnection-errant-visual-perception-psychotic-psychopathology	MRI	brain	CRHD Neural Disconnection & Errant Visual Perception in Psychotic Psychopathology	300 Subjects, Age 18-59
CRHD Perturbation of the Treatment of Resistant Depression Connectome by	https://www.humanconnectome.org/study/crhd-perturbation-treatment-resistant-depr	MRI	brain	CRHD Perturbation of the Treatment of Resistant Depression Connectome by	240 Subjects, Age 20-64

Fast-Acting Therapies	ession-connectome-fast-acting-therapies			Fast-Acting Therapies	
CRHD The Structural & Functional Connectome across AD Subtypes	https://www.humanconnectome.org/study/structural-functional-connectome-across-ad-subtypes	MRI	brain	CRHD The Structural & Functional Connectome across AD Subtypes	260 Subjects, Age 20-80
BrainWeb: Simulated Brain Database	http://brainweb.bic.mni.mcgill.ca/brainweb/	MRI	brain	Simulated Brain Database (SBD)	20
Consortium for Reliability and Reproducibility (CoRR)	http://fcon_1000.projects.nitrc.org/indi/CoRR/html/samples.html#datasets	MRI	brain	Institute of Psychology, Chinese Academy of Sciences ; Nathan Kline Institute http://fcon_1000.projects.nitrc.org/indi/CoRR/html/index.html	10052
Brain Genomics Superstruct Project (GSP)	https://dataverse.harvard.edu/dataset.xhtml?persistentId=doi:10.7910/DVN/25833	MRI	brain	Harvard University	1500
Attention Deficit Hyperactivity Disorder	http://fcon_1000.projects.nitrc.org/indi/adhd200/index.html	MRI	brain	National Institute of Mental Health (NIMH)	776
A Long-term Test-Retest Sample of Young Healthy Adults in Southwest China	http://fcon_1000.projects.nitrc.org/indi/retrato/southwestuni_qiu_index.html	MRI	brain	Southwest University	1740
IXI Dataset	http://brain-development.org/ixi-dataset/	MRI	brain	Imperial College London, South Kensington Campus, London SW7 2AZ	600
Addiction Connectome Preprocessed Initiative (ACPI)	http://fcon_1000.projects.nitrc.org/indi/ACPI/html/samples.html	MRI	brain	National Institute on Drug Abuse (NIDA).	314
HBN-SSI Data	http://fcon_1000.projects.nitrc.org/indi/hbn_ssi/download.html	MRI	brain	The Child Mind Institute Healthy Brain Network (CMI-HBN)	104
IXI Dataset	http://brain-development.org/ixi-dataset/	MRI	brain	Imperial College London, South Kensington Campus, London	600
Autism Brain Imaging	http://fcon_1000.proj	MRI	brain	Autism Brain Imaging	1300 embryo

Data Exchange(ABIDE)	nrc.uct.ac.za/projects/abide/			Data Exchange (ABIDE)	
State Key Laboratory of Cognitive Neuroscience and Learning Enhanced Sample	http://fcon_1000.projects.nitrc.org/indi/retr/o/BeijingEnhanced.html	MRI	brain	Beijing Normal University	1112 datasets
Data - Nathan Kline Institute-Rockland sample documentation	http://fcon_1000.projects.nitrc.org/indi/enhanced/data.html	MRI	brain	Enhanced Nathan Kline Institute	180 students
VALiDATE29 squirrel monkey brain atlas	https://www.nitrc.org/projects/validate29/	MRI	brain	Vanderbilt University Institute of Imaging Science	125 manually skull-stripped T1-weighted anatomical MRI scans
SumsDB	About">http://brainvis.wustl.edu/wiki/index.php/Sums>About	MRI	brain	Washington University ; the University of Minnesota	
Pediatric MRI Data Repository	https://pediatricmri.nih.gov/nihpd/info/index.html	MRI	brain	the NIH MRI Study of Normal Brain Development (Pediatric MRI Study)	500
Mouse Connectome Project (MCP)	http://www.mouseconnectome.org/	MRI	brain	the Laboratory of Neuro Imaging at USC, University of Southern California	
Internet Brain Segmentation Repository	https://www.nitrc.org/plugins/mwiki/index.php/ibsr:MainPage	MRI	brain	the National Institute of Neurological Disorders and Stroke (NINDS)	18 scans
Brain Genomics Superstruct Project	https://cnl.rc.fas.harvard.edu/data/	MRI	brain	The XNAT Team	
ARWIBO	http://www.arwibo.it/	MRI	brain	Alzheimer and Epidemiology Laboratory,IRCCS,Fat ebenefratelli Via Pilastroni,4,25125 Brescia BS	
Magnetic Resonance Imaging in Ms(MAGIMS)	https://www.magnims.eu/	MRI	brain	magnims	
Neuroimaging and	http://niacal.northwe	MRI	brain	The Neuroimaging	

applied computational anatomy lab	stern.edu/data			and Applied Computational Anatomy Lab	
BSI-NI Japanese Macaque Monkey-the MRI Standard Brain	http://brainatlas.brain.riken.jp/jm/modules/xoonips/listitem.php?index_id=9	MRI	brain	BSI-NI The MRI Standard Brain of Japanese Macaque Monkey's publications	16 male adult Japanese macaque monkeys
Alzheimer's Disease Neuroimaging Initiative(ADNI)	http://adni.loni.usc.edu/data-samples/	MR,PET, and others	brain	University of Southern California	1644
Minimal Interval Resonance Imaging in Alzheimer's Disease (MIRIAD)	http://www.ucl.ac.uk/drc/research/methods/miriad-scan-database	MRI	brain	The UCL Dementia Research Centre	69 subjects 708 scans
Erlangen Volume Library	http://www9.informatik.uni-erlangen.de/External/vollib/	DTI,MR	brain		
Dr Gordon Kindlmann's brain	http://www.sci.utah.edu/~gk/DTI-data/	DTI,MR	brain		
OpenfMRI.org	http://openfmri.org/	fMRI	brain		
BITE: Brain Images of Tumors for Evaluation database	http://nist.mni.mcgill.ca/?page_id=672	MRI,ultrasound	brain	Montreal Neurological Institute	
The ABCD Neurocognitive Prediction Challenge (ABCD-NP-Challenge 2019)	http://www.sdspeople.fudan.edu.cn/zhuangxiahai/0/mmwhs17/index.html	MRI	brain		
Correction of Brainshift with Intra-Operative Ultrasound	https://curious2018.grand-challenge.org/	MRI	brain		
MRBrainS18	http://mrbrains18.isi.uu.nl/	MRI	brain		
Section for Biomedical Image Analysis (SBIA) participating with CBICA	https://www.med.upenn.edu/sbia/brats2018.html	MRI	brain		
3-D Validation of Tractography with Experimental MRI (3D VoTEM)	https://my.vanderbilt.edu/votem/	MRI	brain		

Tractography-reproducibility Challenge with Empirical Data (TraCED)	https://my.vanderbilt.edu/ismrmtraced2017/	MRI	brain		
iSeg-2017	http://iseg2017.web.unc.edu/	MRI	brain		
Ischemic Stroke Lesion Segmentation	http://www.isles-challenge.org/ISLES2017/	MRI	brain		
Mild Traumatic Brain Injury Outcome Prediction	https://tbichallenge.wordpress.com/	MRI	brain		
Automatic Cephalometric X-Ray Landmark Detection Challenge 2014	http://www-o.ntust.edu.tw/~cweiwang/celph/	X-ray	brain		
ATLAS (Anatomical Tracings of Lesions After Stroke)	http://www.icpsr.umich.edu/icpsrweb/ICPSR/studies/36684	MRI	brain	University of Southern California	304
USC Laboratory of Neuro Imaging	http://www.loni.usc.edu/research/atlasses	MRI	brain		
Brain registration evaluations (2008-2011)	https://www.synapse.org/#!Synapse:syn3251018	MRI	brain		
MICCAI Grand Challenge on 6-month Infant Brain MRI Segmentation	http://iseg2019.web.unc.edu/	MRI	brain		
Internet Brain Segmentation Repository	http://www.cma.mgh.harvard.edu/ibsr/index.html	miscellaneous	brain		
Osirix DICOM datasets	http://www.osirix-viewer.com/datasets/	CT,MR,PET,X-ray	brain,lungs,head,bone,leg,heart		
University of South Florida Digital Mammography	http://www.eng.usf.edu/cvprg/	X-ray	breast	University of South Florida	2620
Laboratório Visão Robótica e Imagem	http://web.inf.ufpr.br/vri/theses-dissertations/ (Invalid URL)	microscopy	breast	The Laboratory of Vision, Robotics and Imaging (VRI)	9109
Mammographic Image Analysis Society (MIAS) database v1.21	https://www.repository.cam.ac.uk/handle/1810/250394	X-ray	breast	University of Cambridge	322

SPIE-AAPM-NCI BreastPathQ: Cancer Cellularity Challenge 2019	http://spiechallenges.cloudapp.net/competitions/14	whole-slide images, Histology	breast		
ICIAR 2018 Grand Challenge	https://iciar2018-challenge.grand-challenge.org/	Microscopy images, Whole-slide images	Breast cell		
Neobrain12	http://neobrain12.isi.uu.nl/reference.php	MRI	brain	MICCAI Grand Challenge	
Digital Pathology: Segmentation of Nuclei in Images	http://miccai.cloudapp.net/competitions/83	image	cell		
Combined Radiology and Pathology Classification	http://miccai.cloudapp.net/competitions/82	image	cell		
Data Science Bowl 2017	https://www.kaggle.com/c/data-science-bowl-2017	CT	chest		
CheXpert(Benchmark)	https://zhuanlan.zhihu.com/p/55858738?utm_source=wechat_timeline&utm_medium=social&utm_oi=671358119700074496&from=timeline&isappinstalled=0&wechatShare=1&s_s_i=jZl5xOhwcdh22%2BPRyZhCie4zsHor11xIJRtuLrMSFGY%3D&s_r=1	X-ray	chest		224316
Large Dataset of Labeled Optical Coherence Tomography (OCT) and Chest X-Ray Images	https://data.mendeley.com/datasets/rscbjbr9sj/3	X-ray	chest		Thousands
LUMIC challenge	https://lumic.grand-challenge.org/	CT	chest(lung)		
The HEAR-EU Multiscale Imaging and Modelling Dataset of the Human	https://www.smir.ch/objects/204388	CT	cochlea	SICAS, Swiss Institute for Computer Assisted Surgery	

Inner Ear					
Kyoto Human Embryo Visualization Project	http://bird.cac.med.kyoto-u.ac.jp/html/index_e.html	MRI	embryo	Congenital Anomaly Research Center, Kyoto University Graduate School of Medicine, Kyoto, Japan	1300
Basel Face Model	https://faces.dmi.unibas.ch/bfm/main.php	BFM	face	Research in the Computer Vision Group at the University of Basel.	
MORPH (Craniofacial Longitudinal Morphological Face Database)	https://www.faceaginggroup.com/morph/	photographs	face	Face Aging Group	Album1 (515) , Album2 (55134)
Standard Diabetic Retinopathy Database	http://www.it.lut.fi/project/imageret/diaretdb1/	colour images	fundus	Standard Diabetic Retinopathy Database	89
DRIVE database	http://www.isi.uu.nl/Research/Databases/DRIVE/	colour images	fundus	Diabetic Retinopathy Screening Program	40
DRIVE (Digital Retinal Images for Vessel Extraction) database	https://www.isi.uu.nl/Research/Databases/DRIVE/	photographs	fundus	University Medical Center Utrecht	40
CLEMSON	http://www.clemson.edu/cecas/	photographs	fundus	clemson university	20
High-Resolution Fundus (HRF) Image Database	https://www5.cs.fau.de/research/data/fundus-images/	photographs	fundus		30
The RetinaCheck project	http://www.retinacheck.org/	photographs	fundus	Eindhoven University of Technology and Northeastern University (NEU, Shenyang, China)	45
VAMPIRE tools	http://vampire.computing.dundee.ac.uk/tools.html	photographs	fundus		8
Pathologic Myopia Challenge	https://palm.grand-challenge.org/	photos	fundus		
The ONLINE iChallenges	https://refuge.grand-challenge.org/	photos	fundus		
Indian Diabetic Retinopathy Image	https://idrid.grand-challenge.org/	image	fundus		

Dataset (IDRiD)					
Retinal OCT Classification Challenge (ROCC)	https://rocc.grand-challenge.org/	CT	fundus		
Challenge on Automatic Tool Annotation for cataRACT Surgery	https://cataracts.grand-challenge.org/	image	fundus		
Retinal OCT Fluid Challenge	https://retouch.grand-challenge.org/	CT	fundus		
Workshop and Challenges on Modeling and Monitoring of Computer Assisted Interventions	http://camma.u-strasbg.fr/m2cai2016/index.php/program-challenge/	video	gallbladder		
Endoscopic artefact detection challenge(EAD 2019)	https://ead2019.grand-challenge.org/EAD2019/	white light, fluorescence, and narrow band imaging	gastrosco py, cystoscopy, gastro-oesophageal, colonoscopy		
Center for Artificial Intelligence in Medicine & Imaging	https://aimi.stanford.edu/available-labeled-medical-datasets	X-ray	hand	Stanford University	14236
Images collected for the digital hand atlas	https://www.sciencedirect.com/science/article/pii/S0895611107000274	X-ray	hand		1390
Pediatric Bone Age Challenge	http://rsnachallenges.cloudapp.net/competitions/4	X-ray	hand		
Automated measurement of fetal head circumference	https://hc18.grand-challenge.org/	ultrasound	head		
HeadNeckBrainSpine (software)	http://headneckbrainspine.com/index.php	MRI CT	head neck teeth and so on	Head and neck anatomy and cases of images	Thousands
ACDC-2017	http://acdc.creatis.insa-lyon.fr/#	MRI	heart	Challenge ACDC	150 exams
The Statistical Atlases and Computational	http://stacom.cardiacatlas.org	MRI	heart	STACOM (Statistical Atlases and	uncertain

Modeling of the Heart (STACOM) workshop				Computational Modelling of the Heart) workshop	
An Annotated Dataset of 14 Cardiac MR Images	http://www2.imm.dtu.dk/pubdb/views/publication_details.php?id=500	MRI	heart	IMM Group(s) Image Analysis & Computer Graphics	14
Medviso AB (software)	http://medviso.com/products/segment/	MR CT SPECT	heart	Griffelvägen 3	uncertain
Boston Children's Hospital	http://segchd.csail.mit.edu/data.html	MRI	heart	HVSMR 2016: MICCAI Workshop on Whole-Heart and Great Vessel Segmentation from 3D Cardiovascular MRI in Congenital Heart Disease	60 datasets
ACDC dataset	https://www.creatis.insa-lyon.fr/Challenge/acdc/databasesClassification.html	MRI	heart	Automated Cardiac Diagnosis Challenge(ACDC)	150 (30 healthy 120 patients)
Left Ventricular Segmentation Challenge	https://www.cardiacatlases.org/challenges/lv-segmentation-challenge/	MRI	heart	Cardiac Atlas Project	200 cases
MESA (Multi-Ethnic Study of Atherosclerosis)	http://www.cardiacatlases.org/studies/mesa/	MRI	heart	National Institutes of Health,John Hopkins University	2,450 MESA subjects (1,167 male / 1,251 female) and 200 of them have 3D left ventricular finite element models.
DETERMINE (Defibrillators to Reduce Risk by Magnetic Resonance Imaging Evaluation)	http://www.cardiacatlases.org/studies/determine/	MRI	heart	Northwestern University	450 patients with myocardial infarction
Sunnybrook Cardiac Data	http://www.cardiacatlases.org/studies/sunnybrook-cardiac-data/	MRI	heart	Sunnybrook Health Sciences Centre, Toronto, Canada.	45 cine-MRI images from a mixed of patients and pathologies:

					healthy, hypertrophy, heart failure with infarction and heart failure without infarction
AMRG Cardiac Atlas	http://www.cardiacatlases.org/studies/amrg-cardiac-atlas/	MRI	heart		1 healthy subject with a complete label of cardiac MRI
SCMR Consensus Contour Data	http://www.cardiacatlases.org/studies/scmr-consensus-data/	MRI	heart	University Hospital Frankfurt, Germany ; University of Auckland, New Zealand	15 mixed cases with multi-center ground truth consensus contours
Congenital Heart Disease (CHD) Atlas	http://www.cardiacatlases.org/studies/chd-atlas/	MRI	heart	Rady Children's Hospital, San Diego ; UCSD, Department of Medicine, San Diego	
The Atlas of Human Cardiac Anatomy	http://www.vhlab.uminn.edu/atlas/	Atlas	heart		
Multi-Modality Whole Heart Segmentation	http://www.sdspeople.fudan.edu.cn/zhuangxiahai/0/mmwhs17/index.html	multi-modality	heart		
SegTHOR: Segmentation of Thoracic Organs at Risk in CT images	https://chaos.grand-challenge.org/	CT	heart, aorta, trachea, esophagus		
Collaborative Platform for Research on Spine Imaging and Image Analysis	http://spineweb.digitallimaginggroup.ca/spineweb/index.php?n=Main.Datasets	MRI	Intervertebral Disc (IVD)	IVDM3Seg – Intervertebral Disc (IVD) Localization and Segmentation from 3D Multi-Modality MR (M3) Images	96 high resolution 3D MRI volume data
OAI data and images	https://oai.epi-ucsf.org/datarelease/	X-ray	knee		8892
fastMRI	http://fastmri.org/	MRI	Knee joint		
Automatic Non-rigid Histological Image Registration (ANHIR)	https://anhir.grand-challenge.org/	whole-slide images, Hi	lesions, lung-lobes		

challenge		stology	mammary-gland		
Classification of Normal vs Malignant Cells in B-ALL White Blood Cancer Microscopic Images	https://competitions.codalab.org/competitions/20429#learn_the_details-overview	whole-slide images, Histology	leukemic B-lymphoblast cells		
CHAOS challenge	https://chaos.grand-challenge.org/	CT, MRI	liver, spleen, right and left kidneys		
An SMRA 2018 - Image Processing Challenge	https://paves.grand-challenge.org/	MRA	lower leg		
IVDM3Seg	https://ivdm3seg.weebly.com/	MRI	lumbar spine		
LIDC - NCIA Collection - Lung Image Database Consortium	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2290739/	CT	lung	Lung Image Database Consortium (LIDC)	71
LIDC/IDRI database	http://www.via.cornell.edu/lidc/	CT	lung	Washington University in St. Louis	1010
The Lung Image Database Consortium image collection (LIDC-IDRI)	https://wiki.cancerimagingarchive.net/display/Public/LIDC-IDRI	CT	lung	the National Cancer Institute (NCI), of the Foundation for the National Institutes of Health (FNIH), and the Food and Drug Administration (FDA)	1018
VIA/I-ELCAP Public Access Research Database	http://www.via.cornell.edu/databases/lungdb.html	CT	lung	ELCAP and VIA research groups	50
VIA/I-ELCAP Public Access Research Database.	http://www.via.cornell.edu/databases/crpf.html	CT	lung	the Prevent Cancer Foundation (PRF) and the National Cancer Institute (NCI)	
VOLCANO'09 (Volume Change Analysis of Nodules) Measurement Challenge	http://www.via.cornell.edu/challenge/	CT	lung	VOLCANO'09 (Volume Change Analysis of Nodules) Measurement Challenge	49
CT images of pulmonary nodules the evaluation of	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3267080/	CT	lung	Weill Cornell Medical College	53

nodule change in size measurement methods					
LUNA (LUng Nodule Analysis)	http://academictorrents.com/collection/luna-lung-nodule-analysis-16---isbi-2016-challenge	CT	lung	ISBI 2016 Challenge	
Automatic Cancer Detection and Classification in Whole-slide Lung Histopathology (ACDC@LUNGHP) challenge	https://acdc-lunghp.grand-challenge.org/	CT	lung		
RSNA Pneumonia Detection Challenge	https://www.kaggle.com/c/rsna-pneumonia-detection-challenge	MRI	lung		
Multimedia Retrieval in CLEF	https://www.imageclef.org/2018/tuberculosis	CT	lung		
JSRT Digital Image Database	http://www.jsrt.or.jp/jsrt-db/eng.php (Address invalidation)	X-ray	lung nodule	the Japanese Society of Radiological Technology (JSRT)& the Japanese Radiological Society (JRS) in 1998	247
Continuous Registration Challenge	https://continuousregistration.grand-challenge.org/	CT	lung,brain		
The Cancer Imaging Archive (TCIA) Public Access	https://wiki.cancerimagingarchive.net/display/Public/CT+Lymph+Nodes	CT	lymph node	A new 2.5D representation for lymph node detection using random sets of deep convolutional neural network observations. In MICCAI, pages 520–527. Springer, 2014.	978
CAMELYON16 challenge	https://camelyon16.grand-challenge.org/	image	lymph node		
VIA/Weiss Lab Public Access Mouse micro-CT Image	http://www.via.cornell.edu/databases/microdb.html	CT	mice	the VIA research group and the Weiss Lab, with support	four live mice

Database				from the Cornell University Center for Vertebrate Genomics & the Cornell University Institute of Biotechnology	
Tissue Microarray Analysis in Thyroid Cancer	http://www-ontust.edu.tw/~cvmi/ISBI2017/	image	microarrays		
MICCAI challenge	https://grand-challenge.org/challenges/	miscellaneous	miscellaneous	miscellaneous	
Anatomium 3D	http://www.anatomium.com/overview.html	3D scan	miscellaneous	The Anatomium 3D Human Anatomy Digital	6000
OpenNeuro	https://openneuro.org/	MRI	miscellaneous		
e-Anatomy the interactive atlas of human anatomy	https://www.imaios.com/en/e-Anatomy	miscellaneous	miscellaneous		
The Cancer Imaging Archive (TCIA)	http://www.cancerimagingarchive.net/	CT,MRI,etc	Multiple parts	TCIA Collections	Thousands
Open Access Biomedical Image Search Engine	https://openi.nlm.nih.gov	CT,MRI,etc	Multiple parts	Open-i: An open access biomedical search engine	11415
MURA (musculoskeletal radiographs)	https://stanfordmlgroup.github.io/competitions/mura/	X-ray	musculoskeletal		
The Extensible Neuroimaging Archive Toolkit	https://www.ncbi.nlm.nih.gov/pubmed/17426351?dopt=Abstract	miscellaneous	Neuro		
18F-FDG PET Radiomics Risk Stratifiers in Head and Neck Cancer	http://miccai.cloudapp.net/competitions/77	CT	oropharynx		
Cornell University Library	https://arxiv.org/abs/1506.06448	CT	pancreas	Deeporgan: Multi-level deep convolutional networks for automated pancreas segmentation. In MICCAI, pages 556–564. Springer, 2015	82 patients
Pancreatic Cancer Survival Prediction	http://miccai.cloudapp.net/competitions/8	CT	pancreatic		

	4				
CAMELYON17 challenge	https://camelyon17.grand-challenge.org/	image	pancreatic		
SPIE-AAPM-NCI Prostate MR Classification Challenge	https://prostatex.grand-challenge.org/	MRI	prostate		
SPIE-AAPM-NCI PROSTATEx Challenges	https://wiki.cancerimagingarchive.net/display/Public/SPIE-AAPM-NCI+PROSTATEx+Challenges	MRI	prostate		
Scapula Data Collection	https://www.smir.ch/objects/214259#	CT	Scapula	SICAS, Swiss Institute for Computer Assisted Surgery	51 subjects
The Virtual Skeleton Database	https://www.jmir.org/2013/11/e245	miscellaneous	skeleton		
SpineWeb	http://spineweb.digitallimaginggroup.ca/	CT,MRI,etc	spine	Collaborative Platform for Research on Spine Imaging and Image Analysis	Thousands
CSI 2014 Workshop Data	http://csi-workshop.weebly.com/challenges.html	CT	spine	Test set for CSI 2014 Vertebra Segmentation Challenge	252 scans
xVertSeg Database	http://lit.fe.uni-lj.si/xVertSeg/database.php#40	CT	spine	xVertSeg - Segmentation and Classification of Fractured Vertebrae	25 images
Collaborative Platform for Research on Spine Imaging and Image Analysis	http://spineweb.digitallimaginggroup.ca/spineweb/index.php?n=Main.Datasets	CT	spine	Testing set A of the MICCAI Challenge on Vertebral Fracture Analysis	30 subjects
Spine segmentation and analysis	http://www.cg.informatik.uni-siegen.de/en/spine-segmentation-and-analysis	MRI	spine	High anisotropy MRIs of the lower back	234 images
Collaborative Platform for Research on Spine Imaging and Image Analysis	http://spineweb.digitallimaginggroup.ca/spineweb/index.php?n=Main.Datasets	CT	spine	Multi-Modality Vertebra Recognition in Arbitrary Views using 3D Deformable Hierarchical Model	20 subject
Collaborative Platform for Research	http://spineweb.digitallimaginggroup.ca/spineweb/index.php?n=Main.Datasets	CT	spine	Automatic vertebral fracture analysis and	

on Spine Imaging and Image Analysis	www.spineweb.com/index.php?n=Main.Datasets			identification from VFA by DXA	
Collaborative Platform for Research on Spine Imaging and Image Analysis	http://www.spineweb.com/index.php?n=Main.Datasets	CT	spine	Osteoporotic vertebral fractures	4 images
Collaborative Platform for Research on Spine Imaging and Image Analysis	http://www.spineweb.com/index.php?n=Main.Datasets	CT	spine	Lumbar vertebra segmentation CT image database	10 images
Collaborative Platform for Research on Spine Imaging and Image Analysis	http://www.spineweb.com/index.php?n=Main.Datasets	CT	spine	CVIP Spinal CT Database	5 subjects
CSI 2014 Workshop Data	http://www.csi-workshop.com/challenges.html	CT	spine	Vertebrae Localization and Identification	242 scans
CSI 2014 Workshop Data	http://www.csi-workshop.com/challenges.html	CT	spine	Spine and Vertebrae Segmentation	10 scans
Collaborative Platform for Research on Spine Imaging and Image Analysis	http://www.spineweb.com/index.php?n=Main.Datasets	CT,MR	spine	Dataset 1: Cross Modality Spinal Images for Spine Workshop	30 CT 30 MR
Computational Methods and Clinical Applications for Spine Imaging	https://www.csi2016.com/challenge/	miscellaneous	spine		
The MICCAI Spine Workshop & Challenge	https://www.csi2015.com/	MRI	spine		
Collaborative Platform for Research on Spine Imaging and Image Analysis	http://www.spineweb.com/index.php?n=Main.Datasets	MRI	spine/IVD	Intervertebral Disc Localization and Segmentation: 3D T2-weighted Turbo Spin Echo MR image Database	105,each containing at least 7 intervertebral discs (IVDs)
Collaborative Platform for Research on Spine Imaging and Image Analysis	http://www.spineweb.com/index.php?n=Main.Datasets	MRI	spine/IVD	Intervertebral Disc Localization and Segmentation Multi-modality MRI Spine Image Database	56,each containing at least 8 intervertebral discs (IVDs)
Medical image R&D Center	http://www.ntust.edu.tw/~cweiwang/ISBI	bitewing radiograph	teeth	A Grand Challenge for Computer-Automated	120

	2015/challenge2/index.html	y		Detection of Caries in Bitewing Radiography	
The deformable image registration laboratory	https://www.dir-lab.com/	CT	thoracic	deformable image registration (DIR)	300
VIA/I-ELCAP SIMBA Public Access Database	http://www.via.cornell.edu/databases/simbadb.html	CT	thorax	the ELCAP and VIA research groups	50
Public Lung Database To Address Drug Response	http://www.via.cornell.edu/crpf.html	CT	thorax	PRF&NCI	Thousands
SCR database: Segmentation in Chest Radiographs	http://www.isi.uu.nl/Research/Databases/SCR/	X-ray	thorax	Image Sciences Institute (ISI)	247
NIH Clinical Center	https://www.nih.gov/news-events/images-b-roll	X-ray	thorax	NIH Clinical Center	30805
Tuberculosis Chest X-ray Image Data Set	http://archive.nlm.nih.gov/repos/chestImages.php	X-ray	thorax	MC	138
Tuberculosis Chest X-ray Image Data Set	http://archive.nlm.nih.gov/repos/chestImages.php	X-ray	thorax	Shenzhen	662
PET-MR DATASETS	https://www.isd.kcl.ac.uk/pet-mri/simulated-data/	MRI,PET	thorax	King's College London	Five digital models
Langlotzlab	http://langlotzlab.stanford.edu/imaging-datasets/	X-ray	thorax, bone tumor, breast, hand bone	Stanford medical	1000 ICU chest radiographs 831 bone tumor radiographs annotated by an expert radiologist with 18 features and the pathologic diagnosis 4000 digital mammograms annotated with 13 quality attributes 4000 pediatric hand

					radiographs with radiologist bone age 110,000 chest CT reports annotated for presence/absence of pulmonary embolism 150 chest CT reports with all concepts annotated
Histopathologic Cancer Detection	https://www.kaggle.com/c/histopathologic-cancer-detection	whole-slide images, Histology	tumor		
MULTI-ORGAN NUCLEI SEGMENTATION CHALLENGE	https://monuseg.grand-challenge.org/	image	tumors		
SMIR Full Body CT	https://www.smir.ch/objects/214315#	CT	whole body	SICAS, Swiss Institute for Computer Assisted Surgery	29 squirrel monkey
Cell tracking Challenge	http://celltrackingchallenge.net/	real (2D and 3D) time-lapse microscopy videos	whole-cell and nucleus		
Utah SCI CT datasets archive	http://www.sci.utah.edu/cibc-software/ctdatasets.html	CT			
VolVis.org dataset archive	http://volvis.org/	miscellaneous			
Medical segmentation decathlon	https://decathlon-10.grand-challenge.org/Home/	miscellaneous			
Medical segmentation decathlon	https://projects.iq.harvard.edu/cdmri2018/challenge	MRI			
ISBI Challenge on Analysis of Images to	https://isbi-aida.grand-challenge.org/	miscellaneous			

Detect Abnormalities in Endoscopy (AIDA-E)					
Kaggle	https://www.kaggle.com/datasets	miscellaneous			
ISBI 2014	https://archives.embs.org/wp-content/archives/ISBI/2014/program/challenges/index.html	miscellaneous			
A digital archiving system and distributed server-side processing of large datasets	https://www.spiedigitallibrary.org/conference-proceedings-of-spie/7264/1/A-digital-archiving-system-and-distributed-server-side-processing-of/10.1117/1.2.812227.full?SSO=1	miscellaneous			
Living human project	http://www.livinghuman.org/	miscellaneous			
medical-datasets	https://github.com/adalca/medical-datasets	miscellaneous			