Dataset	Source	Collectors	Domain	Data type	Data size	Labels	Demographics	Data Collection Period	Availability	Reference / URL	Download
Brain Tumor MRI Dataset	Combination of three datasets: figshare, SARTAJ dataset and Br35H	-	Brain tumor classification and segmentation	MRI	7023 images 158.6 MB	4 tumor classification	-	-	Free	https://www.kaggle.com/datasets/masoudnickparvar/brain-tumor-mri-dataset	Yes
ADNI	U.S. and Canada	-	Neuroimaging and clinical research focused on Alzheimer's Disease (AD) and cognitive aging	Imaging: Structural MRI, functional MRI (fMRI), diffusion MRI (DTI), PET (FDG-PET, amyloid PET); Clinical & Cognitive: MMSE, CDR, ADAS-Cog scores, demographics, biomarkers (CSF, blood), genetics (APOE)	2,000+ participants -	Cognitive status	Age, gender and education	Began in 2004, ongoing	Public for qualified researchers after registration and Data Use Agreement (DUA) approval.	http://adni.loni.usc.edu/	Yes
BR35H	Kaggle / Radiopaedia & Figshare collections	-	Brain tumor detection	T1-weighted MRI (axial slices, grayscale images)	3,060 images (1,500 tumor / 1,560 non-tumor) 91.77 MB	Binary: Tumor / No Tumor	-	-	Free	https://www.kaggle.com/datasets/ahmedhamada0/brain-tumor-detection	No
OASIS	Washington University in St. Louis, Massachusetts General Hospital	Marcus et al., OASIS Brain Imaging Consortium	Aging and dementia research	Structural MRI (T1-weighted), some versions include PET and clinical data	OASIS-1: 416 subjects (18–96 yrs); OASIS-2: 150 subjects, 373 sessions (longitudinal); OASIS-3: ~1,000 subjects with multiple imaging sessions; OASIS-4: >1,000 subjects with MRI, PET, and cognitive measures	Cognitive status: Healthy control, Mild Cognitive Impairment (MCI), Alzheimer's Disease (AD)	Age and gender	1999–2018 (OASIS-1 to OASIS-3)	Public for research use after registration and Data Use Agreement (DUA) approval	https://www.oasis-brains.org	No

AIBL	Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia	AIBL Research Group, including Austin Health, CSIRO, Edith Cowan University, and the National Ageing Research Institute	Alzheimer's disease and cognitive aging research	MRI, PET (PiB, FDG), blood biomarkers, neuropsychological and lifestyle data	~1,100 participants with longitudinal imaging and clinical assessments -	Cognitive status: Healthy Control (HC), Mild Cognitive Impairment (MCI), Alzheimer's Disease (AD)	Age and gender	2006–present (ongoing longitudinal study)	Available to qualified researchers after registration and Data Use Agreement (DUA) approval	https://aibl.org.au/	No
BraTS	MICCAI (Medical Image Computing and Computer Assisted Intervention) Challenge, organized by CBICA (Center for Biomedical Image Computing and Analytics, University of Pennsylvania)	CBICA and international collaborators (multi-institutional MRI scans)	Brain tumor segmentation and classification	Multimodal MRI (T1, T1Gd, T2, FLAIR); manual segmentation masks for tumor subregions	Varies by year; typically >1,000 cases (e.g., BraTS 2021: 1,251 MRI scans from 1251 subjects) ~100 GB	Tumor subregions: enhancing tumor, non-enhancing tumor core, and peritumoral edema	Adult patients with gliomas from multiple international institutions	Annual updates since 2012 (BraTS 2012–2024), aggregated from multiple hospitals	Publicly available through the BraTS challenge website or Synapse platform (registration required)	https://www.med.upenn.edu/cbica/brats2021/	No