

Name	Information	Tasks	Availability	Articles	Status	Datatype	Filetype	Location
EMBED	EMory BrEast imaging Dataset. 3 383 659 screening and diagnostic mammogram images from 115 910 patients. Among these, 20% of the total 2D and C-view dataset and is available for research use.	Breast_Cancer_Detection, Breast_Cancer_Risk_Prediction, Mammographic_Report_Generation, Breast_Cancer_Type_Classification, Breast_Tumor_Classification, Tumor_Localization, Breast_Density_Estimation, Synthetic_Data_Generation	Available at https://aws.amazon.com/marketplace/pp/prodview-unw4li5rkivs2#overview	The EMory BrEast imaging Dataset (EMBED): A RaciallyDiverse, Granular Dataset of 3.4 Million Screening andDiagnostic Mammographic Images	Need to sign agreement to access	Mammogram_Images	Dcm	USA
DREAM	Dialogue on Reverse Engineering Assessment and Methods. 144 231 screening mammograms from 85 580 women from the United States and 166 578 screening mammograms from 68 008 women from Sweden.	Breast_Cancer_Detection, Breast_Tumor_Classification	Metadata files available at https://www.synapse.org/Synapse:syn1918762	Evaluation of Combined Artificial Intelligence and Radiologist Assessment to Interpret Screening Mammograms	Not Accessible	Mammogram_Images	Csv	USA, Sweden
CBIS-DDSM	Curated Breast Imaging Sub-set of the Digital Database for Screening Mammography. 2620 scanned film mammograms converted into dicom images making a total of 10,239 images.	Breast_Cancer_Detection, Breast_Tumor_Classification, Image_Segmentation, Mammographic_Report_Generation, Multi_Modal_Learning, Synthetic_Data_Generation	Available at https://www.cancerimagingarchive.net/collection/cbis-ddsm/	A curated mammography data set for use in computer-aided detection and diagnosis research	Accessible	Mammogram_Images, Radiomic_Features	Dcm, Csv	USA
RBIS-DDSM	Re-curated Breast Imaging Subset of the Digital Database for Screening Mammography. Its an updated, extended, and standardized version of CBIS-DDSM. It contains 849 mammogram images	Breast_Cancer_Detection, Breast_Tumor_Classification, Image_Segmentation, Mammographic_Report_Generation, Multi_Modal_Learning, Synthetic_Data_Generation	Available at https://ieee-dataport.org/documents/re-curated-breast-imaging-subset-ddsm-dataset-rbis-ddsm	No associated paper	Accessible	Mammogram_Images, Radiomic_Features	Dcm, Csv	USA
OPTIMAM	3 072 878 images from 172 282 women. 4 classes: Normal, interval Cancer, benign, malignant. Of the 7661 screen-detected cancers from episodes with digital images, 5097 have been marked (67% of cancers).	Breast_Cancer_Detection, Breast_Cancer_Risk_Prediction, Breast_Cancer_Type_Classification, Synthetic_Data_Generation, Tumor_Localization	Available at https://medphys.royalsurrey.nhs.uk/omidb/	OPTIMAM Mammography Image Database: A Large-Scale Resource of Mammography Images and Clinical Data	Need to sign agreement to access	Mammogram_Images, Clinical_Data	Dcm, Csv	UK
OMI-DB	Oncology Medical Image DataBase. 34,104 2D mammography images from 2,623 individuals.	Breast_Cancer_Detection	Not available	The oncology medical image database (OMI-DB)	Not Accessible	Mammogram_Images	Dcm	UK
DDSM	Digital Database for Screening Mammography. 2620 scanned film mammograms (images), 339 images with abnormalities, 373 normal cases, 223 cancer cases.	Breast_Cancer_Detection, Lesion_Localization	Available at http://www.eng.usf.edu/cvprg/Mammography/Databa se.html Another modified version available at Kaggle: https://www.kaggle.com/datasets/skooch/ddsm-mammography	Current Status of the Digital Database for Screening Mammography	Accessible	Mammogram_Images, Metadata	Ics, Overlay, Ljpeg	USA
MIAS	Mammographic Imaging Analysis Society. Database contains 332 images.	Breast_Cancer_Detection, Lesion_Localization, Breast_Cancer_Type_Classification	Available at https://www.repository.cam.ac.uk/items/b6a97f0c-3b9b-40ad-8f18-3d121eef1459	The mammographic images analysis society digital mammogram database	Accessible	Mammogram_Images, Metadata	Pgm, Tar, Tz, Txt	UK
VinDr-Mammo	20000 images from 5000 exams (4-view), 241 of these findings are marked BIRADS 5, 995 of the findings are marked BIRADS 4, 2254 of the findings are marked BIRADS 3,	Breast_Cancer_Detection, Breast_Cancer_Risk_Prediction, Mammographic_Report_Generation, Breast_Cancer_Type_Classification, Breast_Tumor_Classification, Tumor_Localization, Breast_Density_Estimation, Synthetic_Data_Generation, Anomaly_Detection, Multi_Modal_Learning	Available at https://www.physionet.org/content/vindr-mammo/1.0.0/ Free version available at Kaggle: https://www.kaggle.com/datasets/shantanuqhoosh/vindr-mammogram-dataset-dicom-to-png	VinDr-Mammo: A large-scale benchmark dataset for computer-aided detection and diagnosis in full-field digital mammography	Accessible, Need to sign agreement to access	Mammogram_Images, Metadata	Dcm, Png, Csv	Vietnam
RSNA	Royal Society of North America. 54713 image files (54706 in training set), 1158 cancer images, 53548 non_cancer images, 11427 patients negative, 486 patients positive.	Breast_Cancer_Detection, Class_Balancing	Available at https://www.kaggle.com/competitions/rsna-breast-cancer-detection/data	No associated paper	Accessible	Mammogram_Images, Metadata	Dcm	USA, Australia
CMMD	Chinese MaMmography Database. 3,728 mammographies from 1,775 patients, patients' molecular subtypes was included for 749 of these patients (1,498 mammographies). Total 5202 images	Mammographic_Report_Generation, Breast_Cancer_Detection, Image_Segmentation, Multi_Modal_Learning, Breast_Cancer_Type_Classification, Synthetic_Data_Generation	Available at https://www.cancerimagingarchive.net/collection/cmmd/#citations	The Chinese Mammography Database (CMMD): An online mammography database with biopsy confirmed types for machine diagnosis of breast	Accessible	Mammogram_Images, Clinical_Data	Dcm, Xlsx	China

Inbreast	115 cases (410 images), 90 women with 4 images, 25 women with 2 images (Mastectomy). Contains Digital Breast Tomosynthesis (3D) Images. 22,032 reconstructed DBT volumes belonging to 5,610 studies from 5,060 patients.	Breast_Cancer_Detection, Lesion_Localization, Image_Segmentation, Breast_Density_Estimation, Synthetic_Data_Generation	Available at Kaggle: https://www.kaggle.com/datasets/ramanathansp20/inbreast-dataset	Inbreast: toward a full-field digital mammographic database	Accessible	Mammogram_Images, Metadata	Dcm	Portugal
BCS-DBT	5,129 normal studies, 280 studies where additional imaging was needed, 112 benign biopsied studies, 89 studies with cancer.	Breast_Cancer_Detection, Breast_Density_Estimation, Breast_Cancer_Type_Classification, Tumor_Localization, Multi_Modal_Learning, Synthetic_Data_Generation	Available at https://www.cancerimagingarchive.net/collection/breast-cancer-screening-dbt/	Detection of masses and architectural distortions in digital breast tomosynthesis: a publicly available dataset of 5,060 patients and a deep learning model	Accessible	Mammogram_Images, Radiomic_Features, Metadata, Clinical_Data, Annotation_Box	Dcm, Xlsx	USA
KAU-BCMD	King Abdulaziz University Breast Cancer Mammogram Dataset. First significant mammogram dataset from Saudi Arabia. 1416 cases each with 2 views of both breasts making a total of 5664 images. Also contains 205 ultrasound cases corresponding to a part of the mammogram cases, with 405 images as a total.	BIRADS_Category_Classification, Breast_Cancer_Detection, Tumor_Localization, Breast_Tumor_Classification	Available at https://www.kaggle.com/datasets/asmaasad/king-abdulaziz-university-mammogram-dataset	King Abdulaziz University Breast Cancer Mammogram Dataset (KAU-BCMD)	Accessible	Mammogram_Images, Metadata	Jpg, Xlsx	Saudi Arabia
DMID	Contains 510 images. Among them, 274 are abnormal images, including benign and malignant cases.	Breast_Cancer_Detection, BIRADS_Category_Classification, Mammographic_Report_Generation	Available at https://figshare.com/articles/dataset/_b_Digital_mammography_Dataset_for_Breast_Cancer_Diagnosis_Research_DMID_b_DMID_rar/24522883	Digital mammography dataset for breast cancer diagnosis research (DMID) with breast mass segmentation analysis	Accessible	Mammogram_Images, Metadata, Radiological_Reports, Annotation_Masks	Dcm, Xlsx, Txt	India
BancoWeb	Contains 1400 images from 320 cases.	Breast_Cancer_Detection	Not available	Online Mammographic Images Database for Development and Comparison of CAD Schemes	Need to sign agreement to access	Mammogram_Images	Tiff	Brazil
Miracle DB	Contains 204 mammography images collected from 196 patients.	Breast_Cancer_Detection	Not available	A web-accessible mammographic image database dedicated to combined training and evaluation of radiologists and machines	Not Accessible	Mammogram_Images	Tiff	Greece
Nijmegen	Contains 40 images from 21 cases.	Breast_Cancer_Detection	Not available	A computerized system for detection and segmentation of clustered microcalcifications	Not Accessible	Mammogram_Images	Tiff	Taiwan
Malaga	Contains 320 images from 89 cases.	Breast_Cancer_Detection	Not available	Automatic mass segmentation in mammographic images	Not Accessible	Mammogram_Images	Dcm	Spain
LLNL	Contains 198 images from 50 cases.	Breast_Cancer_Detection	Not available	Toward a standard reference database for computer-aided mammography	Not Accessible	Mammogram_Images	Ics	USA
Magic-5	Contains 3369 images from 967 cases.	Breast_Cancer_Detection	Not available	MAGIC-5: an Italian mammographic database of digitised images for research	Not Accessible	Mammogram_Images	Dcm	Italy
MammoGrid	No information found	Breast_Cancer_Detection	Not available	MammoGrid: a prototype distributed mammographic database for Europe	Not Accessible	Mammogram_Images	Dcm	UK, Italy, Switzerland