UArizona Health Data Sources

[Banner Clinical Research Database](#) includes patient data from Sept 19, 2017 to present

[UA Clinical Data Warehouse](#) includes patient from Epic from Nov 2013 – Sept 18, 2017.

Open Access Data Sources with Dermatology Data

Gene Expression Omnibus: [Home - GEO DataSets - NCBI (nih.gov)](#) includes skin disorder gene expression profiles and disease pathogenesis from microarrays, next-generation sequencing and other high throughput functional genomics data.

[Data Portal | Office of Cancer Clinical Proteomics Research](#)

Proteomic Data Commons: http://proteomic.datacommons.cancer.gov/pdc NCI's largest public repository of proteogenomic comprehensive tumor datasets, essentially a Proteogenomic Cancer Atlas. Proteomic data and related data files are organized into datasets by tumor type, study and sub-proteome.

Genomic Data Commons: https://gdc.cancer.gov/ provides the cancer research community with a unified repository and cancer knowledge base that enables data sharing across cancer genomic studies in support of precision medicine.

The Cancer Imagine Archive: https://www.cancerimagingarchive.net/collections/ a service which deidentifies and hosts a large archive of medical images of cancer accessible for public download.

National Health Nutrition Examination: [NHANES - National Health and Nutrition Examination Survey Homepage (cdc.gov)](#) collects demographic, socioeconomic, dietary and health related information. Includes epidemiology and comorbidities of psoriasis, AD, hand dermatitis, skin cancer.

National Health Interview Survey (NHIS): [NHIS - National Health Interview Survey (cdc.gov)](#) includes epidemiology and comorbidities of AD in children and adults

National Survey of Children's Health (NSCH): [National Survey of Children's Health - Data Resource Center for Child and Adolescent Health (childhealthdata.org)](#) includes epidemiology and comorbidities of AD in children

National Ambulatory Medical Care Survey/National Hospital Ambulatory Medical Care Survey (NAMCS/NHAMCS): [NAMCS/NHAMCS - Ambulatory Health Care Data Homepage (cdc.gov)](#) includes dermatology practice patterns

Centers for Medicare and Medicaid Services (CMS): [Home Page - Centers for Medicare & Medicaid Services Data (cms.gov)](#) includes dermatology disease prevalence and utilization of dermatology services by Medicare beneficiaries

[BioSystics Analytics Platform (BioSystics-AP)](#): The BioSystics Analytics Platform accesses, manages, analyzes, shares and computationally models complex datasets from in vitro experimental models, animal models and human clinical data creating actionable knowledge

and predicting biological outcomes that will accelerate and optimize drug discovery and development, as well as cosmetic, industrial and environmental chemical testing

HCMI Searchable Catalog: HCMI Searchable Catalog is a continuously updated resource for querying the available next-generation models developed by the Human Cancer Models Initiative (HCMI). Within the Catalog, users can search by patient demographics, tumor, and model elements including age at diagnosis, sex, treatment information, clinical tumor diagnosis, primary site, clinical stage, and type of model (e.g. 3D-organoid, 2D-conditionally reprogrammed cells), open-access masked somatic MAF variants, etc.

The Cancer Imaging Archive (TCIA): TCIA is a service which de-identifies and publishes medical image datasets to study cancer. The data are organized as "Collections", typically subjects related by a common disease (e.g. lung cancer), image modality (MRI, CT, etc) or research focus. DICOM is the primary file format used by TCIA for radiology image storage. Supporting data related to the images such as patient outcomes, treatment details, genomics, pathology, and image analyses are also provided when available

Includes information on database sources from: Martin A, Liu J, Thatiparthi A, Wu JJ. Free open access data sources for dermatology researchers. Dermatol Online J. 2021 Feb 15;27(2):13030/qt10g0d18c. PMID: 33818976.

NIH-Supported Data Sharing Resources: Open Domain-Specific Data Sharing Repositories (nih.gov)