

Resource Summary Report

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[dcmqi](#)

RRID:SCR_016933

Type: Tool

Proper Citation

dcmqi (RRID:SCR_016933)

Resource Information

URL: <https://github.com/qiicr/dcmqi>

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Description: Software library to help with the conversion between imaging research formats and the standard DICOM representation for image analysis results. Used to implement conversion of the data stored in commonly used research formats into the standard DICOM representation. Available as a precompiled binary package for every major operating system, as a Docker image, and as an extension to 3D Slicer.

Abbreviations: dcmqi

Synonyms: DICOM for Quantitative Imaging, The Digital imaging and Communications in Medicine for Quantitative Imaging, Digital imaging and Communications in Medicine for Quantitative Imaging, DCMQI

Resource Type: data processing software, image processing software, software application, software library, software resource, software toolkit

Defining Citation: [PMID:29092948](#)

Keywords: DICOM, converter, medical, image, computing, quantitative, analysis, clinical, data, metadata, radiology, standard, bio.tools

Funding: NCI U24 CA180918;
NIBIB P41 EB01589;
NIBIB P41 EB015902;
NIBIB R01 EB014955

Availability: Free, Available for download, Freely available, Tutorial available

Resource Name: dcmqi

Resource ID: SCR_016933

Alternate IDs: biotools:dcmqi

Alternate URLs: <https://github.com/QIICR/dcmqi>, <https://bio.tools/dcmqi>

License: BSD-3-clause

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Ratings and Alerts

No rating or validation information has been found for dcmqi.

No alerts have been found for dcmqi.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Zhang L, et al. (2023) A vendor-agnostic, PACS integrated, and DICOMcompatible software-server pipeline for testing segmentation algorithms within the clinical radiology workflow. Research square.

Zhang L, et al. (2023) A vendor-agnostic, PACS integrated, and DICOM-compatible software-server pipeline for testing segmentation algorithms within the clinical radiology workflow. Frontiers in medicine, 10, 1241570.

Beers A, et al. (2021) DeepNeuro: an open-source deep learning toolbox for neuroimaging. Neuroinformatics, 19(1), 127.

Fedorov A, et al. (2020) DICOM re-encoding of volumetrically annotated Lung Imaging Database Consortium (LIDC) nodules. Medical physics, 47(11), 5953.