

Resource Summary Report

Generated by [NIF](#) on Aug 26, 2026

[pydicom](#)

RRID:SCR_002573

Type: Tool

Proper Citation

pydicom (RRID:SCR_002573)

Resource Information

URL: <https://pydicom.github.io/>

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Description: Software Python package for working with DICOM files, made for inspecting and modifying DICOM data in an easy pythonic way. The modifications can be written again to a new file. As a pure python package, it should run anywhere python runs without any other requirements.

Abbreviations: pydicom

Resource Type: software resource, software toolkit

Keywords: reusable library, console (text based), dicom, magnetic resonance, os independent, python

Availability: Free, Available for download, Freely available

Resource Name: pydicom

Resource ID: SCR_002573

Alternate IDs: nlx_155976

Alternate URLs: <http://www.nitrc.org/projects/pydicom>,
<https://sources.debian.org/src/python3-pydicom/>,

Old URLs: <http://pydicom.googlecode.com>

License: MIT License

Record Creation Time: 20220129T080214+0000

Record Last Update: 20260821T193645+0000

Ratings and Alerts

No rating or validation information has been found for pydicom.

No alerts have been found for pydicom.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 104 mentions in open access literature.

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

Krag CH, et al. (2026) Motion artifacts and image quality in stroke MRI: associated factors and impact on AI and human diagnostic accuracy. *European radiology*, 36(1), 265.

Hu J, et al. (2026) A rapid total-body PET imaging approach for pediatric patients using non-attenuation-corrected PET scans. *EJNMMI physics*, 13(1).

Chu Y, et al. (2026) Identification of TFCC substructure injury in wrist MRI using computer vision: a diagnostic aid for radiologists. *Skeletal radiology*, 55(5), 1045.

O'Shea R, et al. (2026) Independent Testing of Published CT Models for PD-L1 Status in Non-Small Cell Lung Cancer. *Radiology*, 318(3), e241962.

Rulloni VS, et al. (2026) An open B-mode ultrasound database for deep learning-based atherosclerotic plaque segmentation. *Scientific data*, 13(1).

Takahashi K, et al. (2026) Deep learning-based auto-contouring for organs at risk in three-dimensional image-guided brachytherapy for cervical cancer and endometrial cancer. *Journal of applied clinical medical physics*, 27(4), e70570.

Galante S, et al. (2026) Automatic early detection of pathological signs following primary total hip arthroplasty using radiographs, clinical scores, and comorbidities. *PloS one*, 21(6), e0348790.

Wood DA, et al. (2026) Self-Supervised Text-Vision Alignment for Automated Brain MRI Abnormality Detection: A Multicenter Study (ALIGN Study). *Radiology. Artificial intelligence*, 8(2), e240619.

Ng Z, et al. (2026) An Analysis of Acquisition Dose in Male Mammography. *Journal of medical radiation sciences*, 73(1), 52.

Yamamoto S, et al. (2026) Automated Measurement of Occipito-Axial Angle on Cervical Radiographs Using a Deep Learning Object Detection Model: A Proof-of-Concept Study. *Neurospine*, 23(2), 380.

Kim KH, et al. (2025) Translation of computed tomography images to T2-Weighted magnetic resonance images of lumbar spine using generative adversarial networks on sagittal images. *Scientific reports*, 15(1), 18385.

Kurt-Bayrakdar S, et al. (2025) Advancing periodontal diagnosis: harnessing advanced artificial intelligence for patterns of periodontal bone loss in cone-beam computed tomography. *Dento maxillo facial radiology*, 54(4), 268.

Black JA, et al. (2025) 3D printing of an optic pathway model from 7T MRI for education. *3D printing in medicine*, 11(1), 47.

Kim K, et al. (2025) Deep learning-based organ-wise dosimetry of ^{64}Cu -DOTA-rituximab through only one scanning. *Scientific reports*, 15(1), 5627.

Dendo Y, et al. (2025) A practical slice averaged image method for precise CT size specific dose estimates. *Scientific reports*, 15(1), 42870.

Han Z, et al. (2025) An Integrated Mycobacterial CT Imaging Dataset with Multispecies Information. *Scientific data*, 12(1), 533.

Sowa H, et al. (2025) Perivascular inflammation in the progression of aortic aneurysms in Marfan syndrome. *JCI insight*, 10(19).

Flores JD, et al. (2025) Clinical photon-counting CT increases CT number precision and reduces patient size dependence compared to single- and dual-energy CT. *The British journal of radiology*, 98(1169), 721.

Kimura T, et al. (2025) Development of anatomically accurate digital organ models for surgical simulation and training. *PloS one*, 20(4), e0320816.

Rhee W, et al. (2025) Deep learning-based prediction of cervical canal stenosis from mid-sagittal T2-weighted MRI. *Skeletal radiology*, 54(10), 2067.