A INCISIVE

Improving cancer diagnosis and prediction with AI and big data

A Multimodal AI-based Toolbox and an Interoperable Health Imaging Repository for the Empowerment of Imaging Analysis related to the Diagnosis, Prediction and Follow-up of Cancer

INCISIVE data on Lung cancer

Grant Agreement n 952179

European Commission

Data Contributor	UoA
Primary Investigator	Ioannis Seimenis
Prior de-identification tools used	No
Modalities	CT, Xray
Body parts examined	Lung
Number of patients	51
Gender Percentage	male: 75.7% - female 24.3%
Age mean & std values	67.4 ± 7.5
Country of origin	Greece
Ethnicity percentage	100% 'Any other white background'
Studies per patient	3.33 ± 1.50
Approximate date range of image studies	2016-2024
Series per study	1 ± 0
Percentage of complete cases (Clinical metadata include all mandatory fields and imaging data at baseline and at least one timepoint)	34.30%
Details of DICOM Series Descriptions	Lung, Chest, Thorax, Chest-abdomen-pelvis (CAP)
Vendor(s)	Siemens, Philips, GE, Toshiba, FuJiFilm

Data Contributor	Theageneio Hospital
Primary Investigator	Ioanna Chouvarda
Prior de-identification tools used	None
Modalities	CT, PET/CT, XRay
Body parts examined	
Number of patients	90
Gender Percentage	73.3% male, 26.6% female
Age mean & std values	66,5 +/- 9,57
Country of origin	Greece
Ethnicity percentage	100% 'Any other white background'
Studies per patient	min: 2, max: 10, average: 5,15, std: 1.80
Approximate date range of image studies	
Series per study	min: 2, max: 14, average: 6,3, std: 3,15
Percentage of complete cases (Clinical metadata include all mandatory fields and imaging data at baseline and at least one timepoint)	71,54%
Details of DICOM Series Descriptions	
Vendor(s)	Agfa, GE MEDICAL SYSTEMS, Hitachi, Philips, SIEMENS,Siemens Healthineers,TOSHIBA

Data Contributor	Visaris
Primary Investigator	Vladimir Petrovic
Prior de-identification tools used	yes
Modalities	DX
Body parts examined	Chest
Number of patients	2914
Gender Percentage	N/A
Age mean & std values	N/A
Country of origin	Serbia
Ethnicity percentage	100% White
Studies per patient	1
Approximate date range of image studies	June2020 to Sept2021
Series per study	1
Percentage of complete cases (Clinical metadata include all mandatory fields and imaging data at baseline and at least one timepoint)	0
Details of DICOM Series Descriptions	Chest, Thorax
Vendor(s)	Visaris

Data Contributor	German Oncology Center
Primary Investigator	Yiannis Roussakis
Prior de-identification tools used	no
Modalities	CT, PET/CT
Body parts examined	Lungs, mediastinum, chest
Number of patients	
Gender Percentage	
Age mean & std values	
Country of origin	Cyprus
Ethnicity percentage	100% 'Any other white background'
Studies per patient	1 to 4
Approximate date range of image studies	
Series per study	
Percentage of complete cases (Clinical metadata include all mandatory fields and imaging data at baseline and at least one timepoint)	
Details of DICOM Series Descriptions	
Vendor(s)	GE, Siemens

Data Contributor	University of Rome Tor Vergata, Rome, Italy
Primary Investigator	Prof Agostino Chiaravalloti
Prior de-identification tools used	no
Modalities	PET/CT
Body parts examined	Lungs, mediastinum, chest
Number of patients	175
Gender Percentage	42,8% F, 57,2M
Age mean & std values	68.7 +/- 10.8
Country of origin	Italy
Ethnicity percentage	0.05% black, 99,95% white
Studies per patient	1 or 2
Approximate date range of image studies	2015-2023
Series per study	2 (one for PET and one for CT)
Percentage of complete cases (Clinical metadata include all mandatory fields and imaging data at baseline and at least one timepoint)	38%
Details of DICOM Series Descriptions	
Vendor(s)	GE

Data Contributor	University of Naples Federico II, Naples, Italy
Primary Investigator	Prof Alberto Cuocolo
Prior de-identification tools used	no
Modalities	PET/CT, MRI, CT, Xray
Body parts examined	Lungs, mediastinum, chest
Number of patients	100 cases (91 retro + 9 prosp)
Gender Percentage	77% male-23% female
Age mean & std values	
Country of origin	Italy
Ethnicity percentage	100% white
Studies per patient	1 to 4 studies
Approximate date range of image studies	2016-2023
Series per study	
Percentage of complete cases (Clinical metadata include all mandatory fields and imaging data at baseline and at least one timepoint)	
Details of DICOM Series Descriptions	
Vendor(s)	Philips, Siemens, GE