

NLST Spiral CT Abnormalities: Data Dictionary

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Document Summary

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Document Title	NLST Spiral CT Abnormalities: Data Dictionary
Date Created	04/14/2022
Sections	2
Entries	13
Document Filename	dictionary_sctabn-20110203-040722.rtf

NLST Spiral CT Abnormalities: Data Dictionary

Section 1: Study

Variable	Label	Description	Format Text
dataset_version	Date Stamp for Datasets		Char, 23
pid	Participant Identifier	A unique identifier given to each participant. For LSS participants, pid has a format of 1xx,xxx, while for ACRIN participants, pid has a format of 2xx,xxx.	Numeric

Section 2: Abnormalities from CT Screening

Variable	Label	Description	Format Text
sct_ab_desc	Abnormality description	The type of the abnormality. Note that the LSS screening forms use a different numbering system than what is used in this variable.	51="Non-calcified nodule or mass (opacity >= 4 mm diameter)" 52="Non-calcified micronodule(s) (opacity < 4 mm diameter)" 53="Benign lung nodule(s) (benign calcification)" 54="Atelectasis, segmental or greater" 55="Pleural thickening or effusion" 56="Non-calcified hilar/mediastinal adenopathy or mass (>= 10 mm on short axis)" 57="Chest wall abnormality (bone destruction, metastasis, etc.)" 58="Consolidation" 59="Emphysema" 60="Significant cardiovascular abnormality" 61="Reticular/reticulonodular opacities, honeycombing, fibrosis, scar" 62="6 or more nodules, not suspicious for cancer (opacity >= 4 mm)" 63="Other potentially significant abnormality above the diaphragm" 64="Other potentially significant abnormality below the diaphragm" 65="Other minor abnormality noted"
sct_ab_num	Abnormality number (unique identifier)	A number assigned to each abnormality. This starts at 1 for each participant for each study year, and counts up for each additional abnormality that participant has in that study year. Along with pid and study_yr, this can be used to match abnormality records in this dataset to records in the Spiral CT Comparison Read Abnormalities dataset .	Numeric
sct_ab_source	Abnormality Source	The source of the abnormality. Abnormalities were either recorded in the abnormality section of the screening form or were extracted from radiologist comments on the screening form.	1="Abnormality section on form" 2="Extracted from comments"
sct_epi_loc	Location of epicenter	Location of epicenter for non-calcified nodules or masses with >= 4 mm diameter.	.M="Missing" .N="Not Applicable (sct_ab_desc is not 51)" 1="Right Upper Lobe" 2="Right Middle Lobe" 3="Right Lower Lobe" 4="Left Upper Lobe" 5="Lingula" 6="Left Lower Lobe" 8="Other (Specify in comments)"

Variable	Label	Description	Format Text
sct_found_after_comp	Was the abnormality not identified until the comparison with historical images?	Was the abnormality not identified until the comparison with historical images? Abnormalities are in this dataset regardless of whether they were found on the initial read of the screen or during the comparison with prior images.	.M="Missing" 0="Identified on first look" 1="Found after comparison"
sct_long_dia	Longest diameter (in mm)	Longest diameter in millimeters for non-calcified nodules or masses with ≥ 4 mm diameter.	Numeric .M="Missing" .N="Not applicable (sct_ab_desc is not 51)" .S="Unable to determine"
sct_margins	Margins	Description of margins for non-calcified nodules or masses with ≥ 4 mm diameter.	.M="Missing" .N="Not applicable (sct_ab_desc is not 51)" 1="Spiculated (Stellate)" 2="Smooth" 3="Poorly defined" 9="Unable to determine"
sct_perp_dia	Longest perpendicular diameter (same CT slice in mm)	Longest diameter perpendicular to the longest overall diameter, in millimeters, for non-calcified nodules or masses with ≥ 4 mm diameter.	Numeric .M="Missing" .N="Not applicable (sct_ab_desc is not 51)" .S="Unable to determine"
sct_pre_att	Predominant attenuation	Predominant attenuation for non-calcified nodules or masses with ≥ 4 mm diameter.	.M="Missing" .N="Not applicable (sct_ab_desc is not 51)" 1="Soft Tissue" 2="Ground glass" 3="Mixed" 4="Fluid/water" 6="Fat" 7="Other" 9="Unable to determine"
sct_slice_num	CT slice number containing abnormality's greatest diameter	The CT slice number containing the abnormality's greatest diameter, for non-calcified nodules or masses with ≥ 4 mm diameter.	Numeric .M="Missing" .N="Not Applicable (sct_ab_desc is not 51)" 999="Missing"
study_yr	Study year of screen		0="T0" 1="T1" 2="T2"