NLST Chest X-Ray Abnormalities: Data Dictionary

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Document Summary

Property	Value
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NLST Chest X-Ray 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 Chest X-Ray Screening

Variable	Label	Description	Format Text
study_yr	Study year of screen		0="T0" 1="T1" 2="T2"
xry_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" 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"
xry_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 Chest X-Ray Comparison Read Abnormalities dataset.	Numeric
xry_epi_loc	Location of epicenter	Location of epicenter for non-calcified nodules or masses.	.N="Not Applicable (xry_ab_desc is not 51)" 1="Right upper zone" 2="Right middle zone" 3="Right lower zone" 4="Left upper zone" 5="Left middle zone" 6="Left lower zone" 8="Other (Specify in comments)"
xry_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.	0="Identified on first look" 1="Found after comparison"

Variable	Label	Description	Format Text
xry_long_dia	Longest diameter (in mm)	Longest diameter in millimeters for non-calcified nodules or masses.	Numeric .N="Not applicable (xry_ab_desc is not 51)" .S="Unable to determine"
xry_margins	Margins	Description of margins for non-calcified nodules or masses.	.N="Not applicable (xry_ab_desc is not 51)" 1="Spiculated (Stellate)" 2="Smooth" 3="Poorly defined" 9="Unable to determine"
xry_perp_dia	Longest perpendicular diameter (in mm)	Longest diameter perpendicular to the longest overall diameter, in millimeters, for non-calcified nodules or masses.	Numeric .N="Not applicable (xry_ab_desc is not 51)" .S="Unable to determine"