

## Required Fields in LCSR

### Data to be sent to CMS every quarter

<b>Data Type</b>	<b>Minimum Required Data Elements</b>	<b>LCSR variable</b>
Facility	Identifier	Medicare NPI for facility from NRDR Registration Form
Radiologist (reading)	National Provider Identifier (NPI)	Reading radiologist NPI
Patient	Identifier	Medicare Beneficiary ID (only applicable if patient in Medicare)
Ordering Practitioner	National Provider Identifier (NPI)	Ordering provider NPI
CT scanner	Manufacturer, Model	CT Scanner manufacturer
		CT scanner model
Indication	Lung cancer LDCT screening – absence of signs or symptoms of lung cancer	Signs or symptoms of lung cancer
System	Lung nodule identification, classification and reporting system	CT exam result by Lung-RADS category
		Other clinically significant or potentially significant abnormalities - CT exam result modifier S
		Prior history of lung cancer - CT exam result modifier C
Smoking history	Current status (current, former, never).	Smoking status
	If former smoker, years since quitting.	Number of years since quit
	Pack-years as reported by the ordering practitioner.	Number of pack years of smoking
	For current smokers, smoking cessation interventions available.	Did physician provide smoking cessation guidance to patient?
Effective radiation dose	CT Dose Index (CTDIvol).	CTDIvol (mGy)
Screening	Screen date	Exam date/Date of screening
	Initial screen or subsequent screen	Indication for exam

**Important Notice:** Currently *retrospective records that contain CMS NCD required data elements will be submitted to CMS even if the additional NRDR/LCSR required fields are not provided* . Going forward, you must submit data for all our required fields as indicated in this document. If your facility has retrospective case records that are missing some of the required fields, please contact us to discuss how we can accommodate your data in the registry.

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### Additional required fields

<i>Data Type</i>	<i>Justification</i>	<i>LCSR variable</i>
Age	To measure percent of records that match eligibility criteria, and to help search for records when patient IDS are not available. Patient identifiable information is encrypted and used to link records but not displayed for security reasons.	Patient's date of birth
Sex	To help search for records when patient IDS are not available	Patient sex
Shared decision making	CMS requires the written order for LDCT screening to be provided to patient during a shared decision making visit.	Is there documentation of shared decision making?
Patient size	To ensure radiation dose indices are adjusted for patient size	Patient's height (inches)
		Patient's weight (lbs)
Appropriate low dose protocol selection	CMS decision and USPSTF recommendation are for a low-dose CT for lung cancer screening and not a routine CT. This field checks to make sure the right kind of CT is done.	Modality
DLP (mGy*cm)	Additional dose index field that was identified as essential for appropriate radiation dose monitoring by the medical physicists on the ACR LCSR Committee.	DLP (mGy*cm)
Resolution and nodule characterization	Required to monitor ability to detect and characterize small nodules on screening.	Reconstructed image width (nominal width of reconstructed image along z-axis) (mm)
Follow-up information (May not always be available if patient lost to follow up)	Required to monitor clinical quality of screening, such as appropriate identification of positive exams.	Date of follow-up
		Follow-up diagnostic
		Tissue diagnosis (if applicable)
		Tissue diagnosis method (if applicable)
		Location from which sample was obtained (if applicable)
		Histology (if applicable)
		Stage - Clinical or pathologic? (if applicable)
		Overall stage (if applicable)
Period of follow-up for incidence (months)		