**Lung Cancer Screening Evaluation Metrics Template**

Below is the list of variables contained in the evaluation metrics template. The tool will need to be downloaded to access the Excel template.

The evaluation and data collection template is a comprehensive list of metrics and data points that should be collected throughout the screening process. This information helps with outcome tracking and data registry information useful for program evaluation and finding areas for improvement. The template is divided up into 5 parts: 1) Determining eligibility, 2) Screened patients, 3) Patients Characteristics, 4) Screening Process Elements, and 5) Screening Outcomes

Data collection is a time intensive process, the most important metrics to be collected on a monthly basis are highlighted in yellow below.

1. **Determining eligibility**

Finding eligible patients

* How many potentially eligible patients were found from the electronic medical record and/ or clinic lists (55-80 years of age and any history of cigarette smoking)?
* How many patients were contacted to discuss lung cancer screening and determine eligibility?
* How many patients directly contacted clinic/ PCP/ program personnel to inquire about lung cancer screening?
* In total, how many patients were approached or assessed for lung cancer screening eligibility through in-reach and outreach strategies?

Contacting patients due for annual screening

* How many patients are due for annual screening?
* How many patients due for annual screening were contacted or sent reminders to schedule their upcoming screening CT?
1. **Screened patients**
* How many total patients were screened for lung cancer by low-dose CT?
* Of those patients screened how many were eligible based on CMS or USPSTF guidelines? (55-77 years old (55-80 years old for patients with private insurance), 30+ pack-year history of smoking, Currently smoke or have quit within the last 15 years, No signs or symptoms of lung cancer)
* Of those patients screened how many were eligible based on NCCN category 2 guidelines? (≥50 years old, 20+ pack-year smoking history, One additional risk factor (radon or asbestos exposure, COPD/ emphysema, personal hx of cancer, family hx of lung ca))
* Of those patients screened how many were ineligible based on CMS, USPSTF, or NCCN category 2 guidelines?
1. **Patient Characteristics**

- Type of Insurance of screened patients

* Commercial/ Private
* Medicare
* Medicaid
* Uninsured/ self-pay
* Unknown

- Smoking status of screened patients

* Current
* Former (within last 15 years)

- Sex of screened patients

* Male
* Female
* Unknown

- Race of screened patients

* Caucasian/ White
* African American/ Black
* Asian/ Pacific Islander
* Alaska Native/ Native Hawaiian
* Other/ Unknown

- Hispanic ethnicity of screened patients

* Yes
* No
* Unknown

- Age category of screened patients

* ≤49
* 50-54
* 55-59
* 60-64
* 65-69
* 70-74
* 75-79
* ≥ 80
* Unknown
1. **Screening Process Elements**
* How many screened patients received shared decision making?
* How many screened patients have the SDM encounter documented in their medical record?
* How many screened patients had a written LDCT order sent to the imaging facility?
* How many screened patients received tobacco cessation counseling (for individuals that currently smoke) or positive reinforcement of quitting (for individuals that formerly smoke)?
* How many screened patients had results get reported to the primary care provider or referring physician?
* How many patients are being appropriately tracked for reminders and further diagnostic or screening procedures?
1. **Screening outcomes**
* Lung-RADS results for each LDCT scan:

-          Lung-RADS 1

-          Lung-RADS 2

-          Lung-RADS 3

-          Lung-RADS 4A

-          Lung-RADS 4B

-          Lung-RADS 4X

* How many lung cancer screening LDCT detected an incidental finding?
* How many screened patients need additional diagnostic work-up for lung abnormalities?
* How many screened patients need additional diagnostic work-up for other abnormalities?