**SCHEMA**

**IMPLEMENTATION OF SMOKING CESSATION SERVICES WITHIN NCI NCORP COMMUNITY SITES WITH ORGANZED LUNG CANCER SCREENING PROGRAMS (OaSiS)**

***Study Population**: Lung Cancer Screening Patients presenting to 26 Lung Cancer Screening Clinics*

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***Randomization** at the Clinic Level (13 Intervention, 13 Usual Care), matched on organizational characteristics (e.g., volume, current cessation services, race/ethnicity composition of patients)*

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***Intervention**: Training of Lung Cancer Screening Personnel on implementation of the US PHS Guidelines for Smoking Cessation and Performance Coaching during Implementation Phase of the Study*

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***Data collection from Patients**: demographics, health status, smoking history, quitting behavior, perceptions of lung cancer risk and worry, impact of screening on tobacco use behavior, and exposure to the intervention. (baseline, <14 days, 3 months, and 6 months)*

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***Data collection from Key Informants** (Lung Cancer Screening Site Personnel): Feasibility of Intervention, Appropriateness, Compatibility, Resources, Acceptability (Implementation Metrics)*

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***Primary Endpoint**: 7-day smoking abstinence with cotinine validation at 6 months*

**Study Sample**: *n=1,114 patients who have undergone LDCT lung cancer screening*

**Study Duration**: *4.5 years*

**Brief Eligibility Criteria**:
***Clinics:*** Screened >= 50 patients within the last 6 months; Agrees to have NCORP research personnel serve as the study liaison and another person to serve as the cessation program champion; Agrees to participate in all aspects of the intervention, randomization, and evaluation

***Patients:*** Age 55-77; Current smoker; Not using medications to quit (use of Bupropion for depression only is acceptable); Willing to participate.

There are two groups of study participants: patients and key informants.

### 4.2 Patient Inclusion Criteria

4.2.1 Age 55-77, reflecting the age criteria for the USPSTF guideline-approved referral for lung screening.

4.2.2 Patient participants must also be a current smoker, defined as anyone who responds "every day" or "some days" to the question: "Do you smoke cigarettes every day, some days, or not at all?" (BRFSS).

4.2.3 Any current smoker who meets the CMS eligibility criteria for lung cancer screening will be eligible for our intervention. Thus, patients with a history of lung and/or other cancer(s) (who do not have current signs or symptoms of lung cancer) will be eligible.

### 4.3 Patient Exclusion Criteria

4.3.1 Current use (previous 30 days) of a tobacco dependence treatment including bupropion, varenicline, and nicotine replacement because the person is trying to quit. Use of bupropion for depression does not exclude the patient from participating. The occasional use of tobacco dependence treatment (e.g., NRT) to avoid using tobacco in public spaces is not considered to be an exclusion criteria.

4.3.2 Individuals who use e-cigarettes and who are not smoking cigarettes. Dual users (those who use both e-cigarettes and cigarettes) will be included in the trial.

4.3.3 The presence of a physical or cognitive impairment that would prevent a person from engaging in survey research (such as blindness, deafness, or dementia).

4.3.4 Non-English speaking