

INTRODUCTION

- Lung cancer screening (LCS) reduces mortality but is poorly utilized in the US
- Prescription use is common among LCS-eligible adults (**P1.072**); pharmacies are trusted sources of health advice, located near LCS sites
- Aim:** Evaluate preliminary effectiveness & implementation of LCS eligibility assessment & referral in community pharmacies

OBJECTIVES

Primary Objective:

- Evaluate use of community pharmacies for identification & referral of patients for LCS

Secondary Objectives:

- Elucidate patient perspectives on LCS education/referral in community pharmacies
- Determine pharmacy provider perspectives on LCS education/referral in community pharmacies

Informed by the **Consolidated Framework on Implementation Research**

STUDY PLAN

Design: Pilot pragmatic cluster randomized controlled trial

Eligibility: Age 50-80, 20+ pack-year smoking, smoking within 15 years

Sites: 20 community pharmacies in New York City & Buffalo randomized 1:1 to **intervention** or **enhanced control**

Analyses

- Weighted cluster-level analysis of LCS uptake
- Descriptive analyses of quantitative outcomes
- Mixed Methods: Rapid matrix analysis

ACKNOWLEDGEMENTS

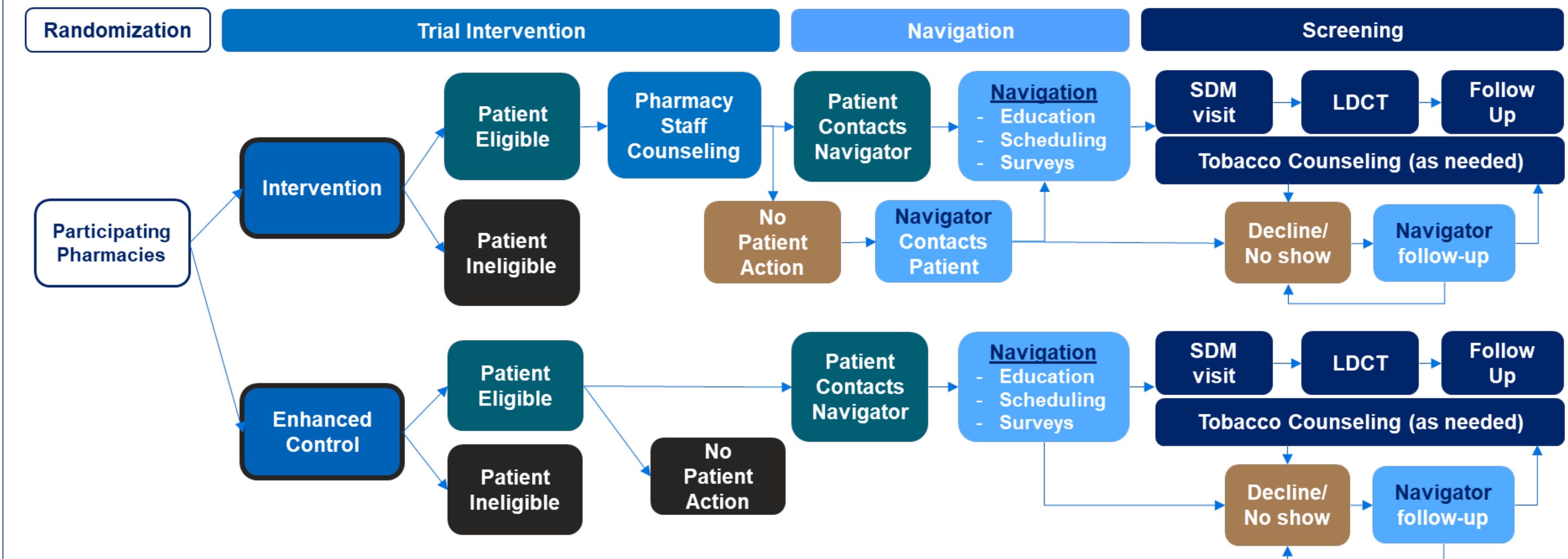
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Artificial Intelligence (AI) Use Disclaimer

ChatGPT (OpenAI) was used to generate images used on this poster.

STUDY DESIGN



Intervention

- Active LCS eligibility assessment** at pharmacy
- Automated referral to LCS navigation**, opt out option
- Pharmacy staff share educational materials, materials displayed in pharmacies
- Navigation to closest LCS program: support through SDM, LDCT, follow-up

Enhanced Control

- LCS educational materials displayed in pharmacy**
- No active LCS eligibility assessment or referral
- Interested pharmacy patrons contact navigators
- Navigation to closest LCS program: support through SDM, LDCT, follow-up

Outcome Assessment

- Preliminary efficacy: **LCS uptake** and outcomes
- Mixed methods** for CFIR implementation metrics
 - Survey, in-depth interviews (patients, pharmacy staff)
- Focus groups** for future implementation
- Guided by a **Community Advisory Board**

