

P1.084: Feasibility and Accessibility of a Patient-Centered Psychological Barriers Survey for Lung Cancer Screening Adherence

INTRODUCTION

- Suboptimal adherence to lung cancer screening (LCS) recommendations attenuates the mortality benefits observed in real-world settings relative to those reported in clinical trials with over 90% adherence.
- Current LCS guidelines require assessment of smoking history; it is critically important to understand whether having smoked may inherently present psychological barriers to maintaining adherence.
- We examined the feasibility and accessibility of administering a patient-centered survey to collect psychological factors that may contribute to delayed follow-up in LCS.

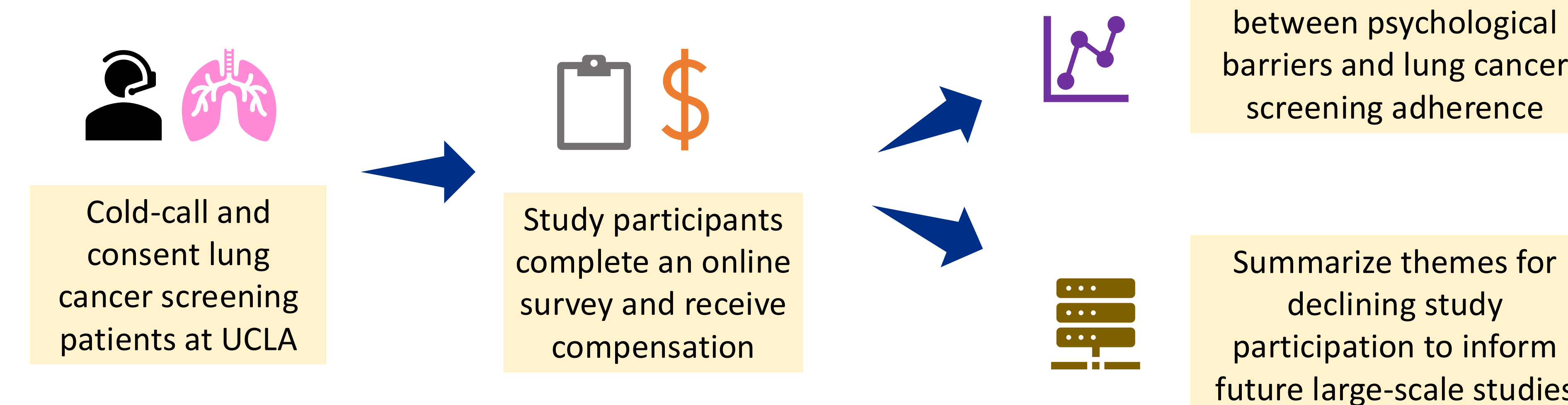
METHODS

Design:

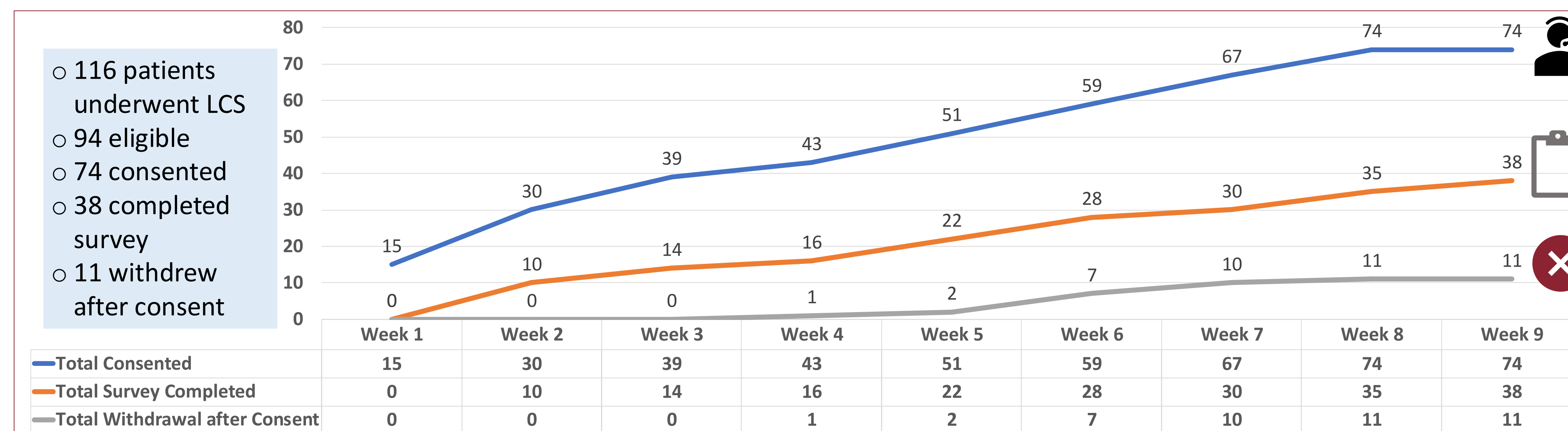
- Eligibility: Baseline LDCT participants (Feb 5–Apr 8, 2025), English-speaking, and not yet due for follow-up screening.
- Adherence definition: Three-month grace period beyond Lung-RADS–recommended follow-up interval to account for scheduling barriers.
- Recruitment: Cold-calling by three research staff (Feb 2–Mar 6, 2026), with up to three contact attempts per participant.
- Study procedures: Oral consent followed by electronic HIPAA authorization and a 23-item survey assessing psychosocial factors (e.g., medical mistrust, lung cancer worry, fear).
- Participant incentive: \$20 gift card upon survey completion.
- Retention strategy: One email reminder and up to two weekly reminder phone calls.
- Accessibility: Barriers to assessing, opening, or navigating the survey.
- Study outcomes: Preliminary recruitment metrics and barriers to engaging lung cancer screening participants in survey research.

RESULTS

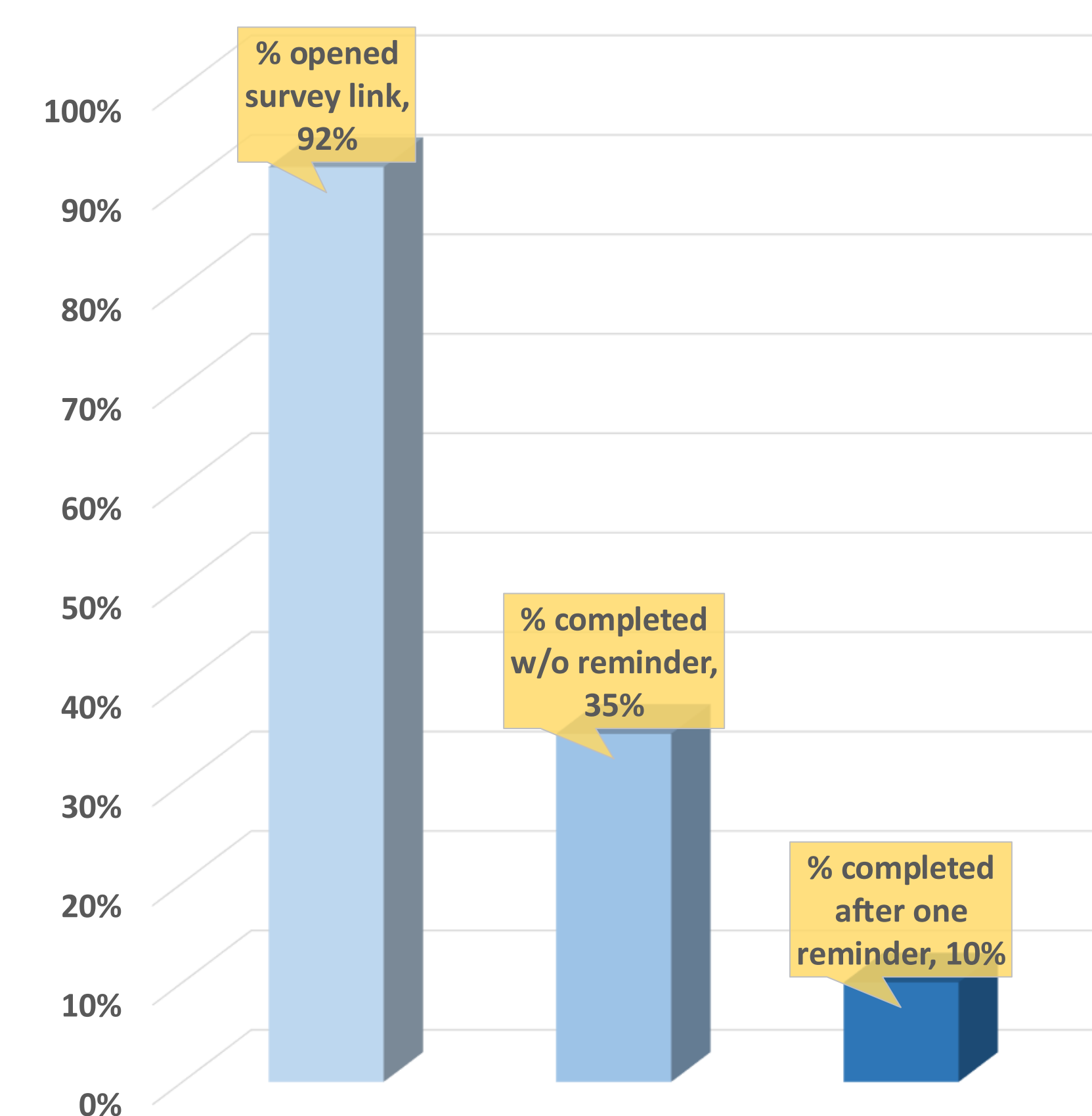
Project Overview:



Enrollment Progress:



Survey Engagement:



Top 3 Concerns Raised:

- Questions regarding data access and privacy, especially medical record data
 - ❑ Clarified the measures in place to protect participant privacy and confidentiality during oral consent
- Requests for a more detailed explanation of the study aims, particularly the term "adherence"
 - ❑ Explained "adherence" in lay language and spoke at a slow pace
- Clarification about third-party survey company involvement
 - ❑ Emphasized that no third party was involved in this research study

DISCUSSION AND CONCLUSION

Actionable Take Away Message

- Our analysis provides new evidence on the feasibility and accessibility of engaging the LCS population for research and offering insights to better address participant concerns and improve survey participation.
- Recruitment for our survey showed a high enrollment rate but a low completion rate without reminders. Additional patient reminders are necessary to achieve a higher survey completion rate.

Future Direction for Research

- Future research will examine associations between psychological barriers and LCS adherence in a larger, prospective cohort.

REFERENCES & ACKNOWLEDGEMENTS

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None