

LungSMART Utah



LungSMART Utah - Goal

Project Goal: Increase the reach of lung cancer screening (LCS) at scale among Community Health Centers (CHCs).

We will test strategies to:



Assess LCS eligibility
via digital tools



Offer access to, and
facilitate, Shared
Decision Making (SDM)



Enhance LCS
completion



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LungSMART Utah - Strategies

Project Goal: Increase the reach of LCS at scale among CHCs.

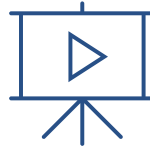
We will achieve this through:



Simple text messages



Text message-based chatbot



Educational video



Centralized hub for SDM



Patient navigation



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LungSMART Utah - Study Design

Two-phase design for LCS eligibility assessment, SDM, and LCS completion.

Phase 1				Phase 2	
Patients	R1	Eligibility	Hub	R2	LCS
50-80 yrs old Tobacco user	2X2 factorial	2-item screener via SMS	Assess LCS eligibility SDM: risks & benefits of LCS LCS referrals placed	Interventions to help complete LCS	LCS completed Referral closed
	No Chatbot	Chatbot		Chatbot RPN	Chatbot PPN
No Video	TM+	TM+ Chatbot			
Video	TM+ Video	TM+ Chatbot Video			

LungSMART Utah – Successes/Wins

Current Project Status: *UG3 Planning Phase*

- **Intervention user-centered design**
 - Messaging study completed with 50 patients
 - Usability sessions completed with 15 participants
 - Workflow analyses of current LCS practices at CHC clinics
- **Community Engagement Activities**
 - Coordinating with CHCs: hiring of an RN for the Centralized Hub
 - Received feedback from Patient & Study Advisory Committees (April, 2025)



Successes/Wins

Institutional Review Board (IRB) Strategies

- Planning Phase IRB Submission- Messaging Study and Usability Sessions
- UG3 Pilot Study IRB Submission- Pilot Study

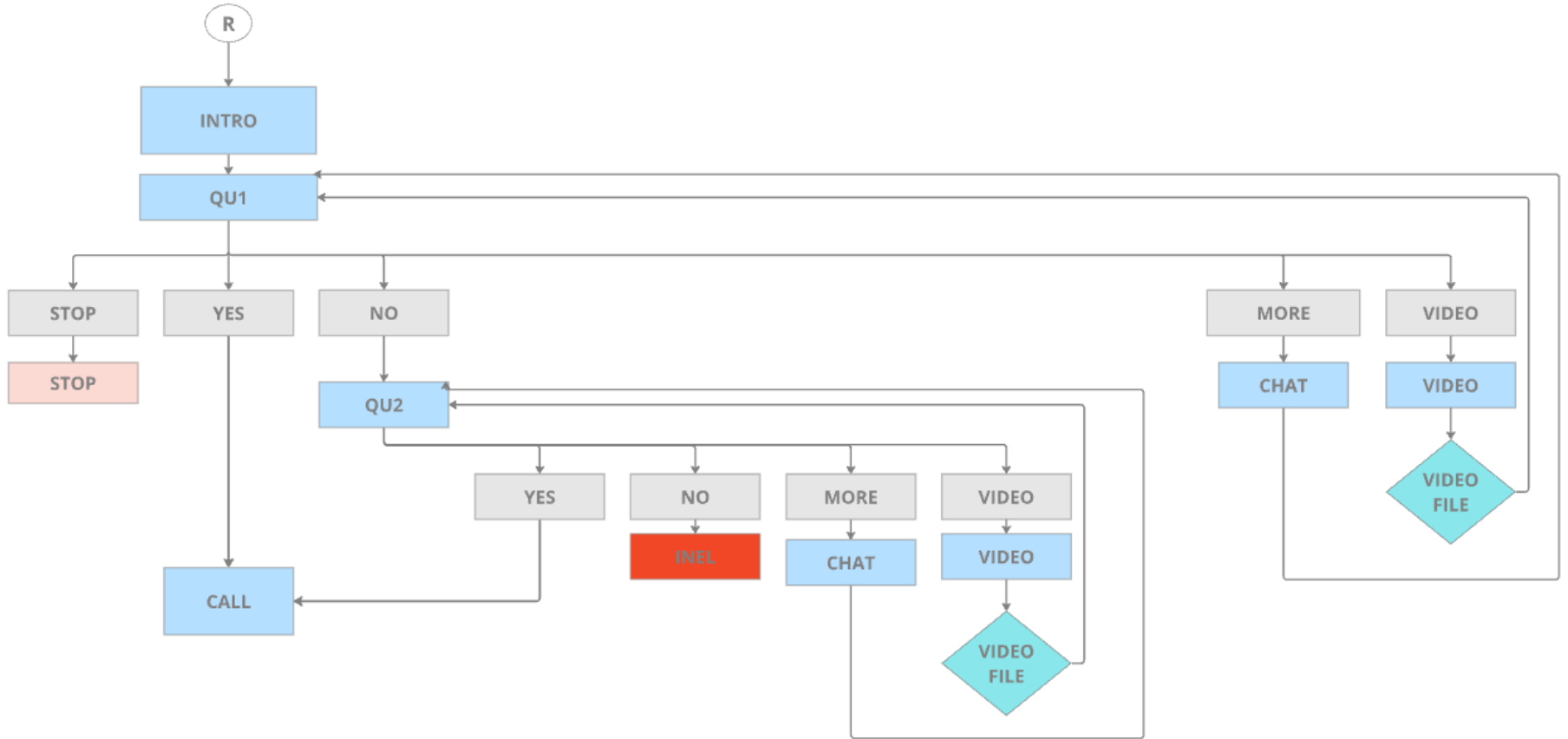
Intervention design

- Text messaging, chatbot, and video interventions

Engaging community and patient partners

- Centralized hub access to Mountainlands CHC's EHR

TM+ CA Video



Issues/Challenges

Complex Digital Health Infrastructure & Study Design

- Implementation of study interventions (workflow)
- Integration of SDM Lung Cancer Screening tool
- Editing of educational video for delivery via text messaging

Coordination with CHC workflows

- Return of LCS results to patients
- Closing the loop with providers

Barriers That Have Been Resolved

EHR Data Access and Referrals

- Central population health platform (Azara) to pull EHR data from all CHCs
- Referrals management module to track referrals

Patient Intervention Video

- Based on video by Go2Foundation (4 min)
- Edited the video to <1 min based on feedback
- Edited size to < 1Mb to deliver via text messaging