



HOW TO BUILD AN EARLY LUNG CANCER DETECTION PROGRAM



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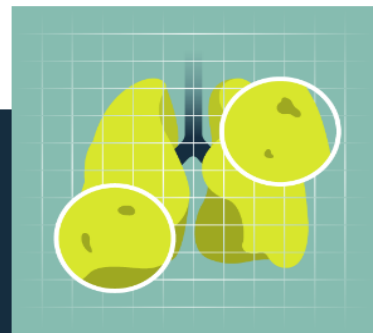
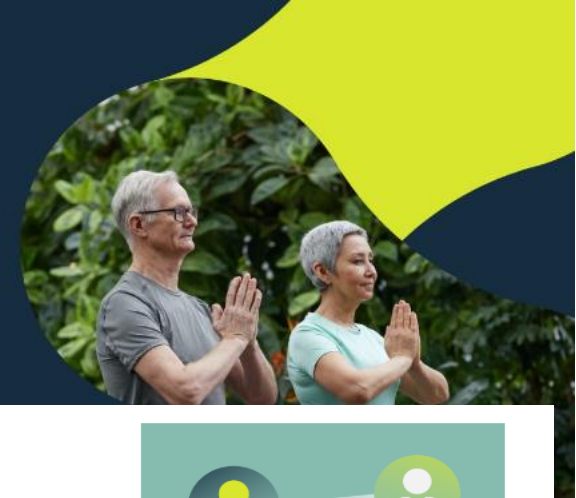
DISCLOSURE

I am currently an employee of AstraZeneca; however, the presentation and opinions expressed today are solely mine and do not represent my current or any past employer.



Our ambition

Eliminate lung cancer as a cause of death



**Increase screening and
early diagnosis**



**Deliver innovative
medicine**



**Improve
quality
care**

Our Priorities

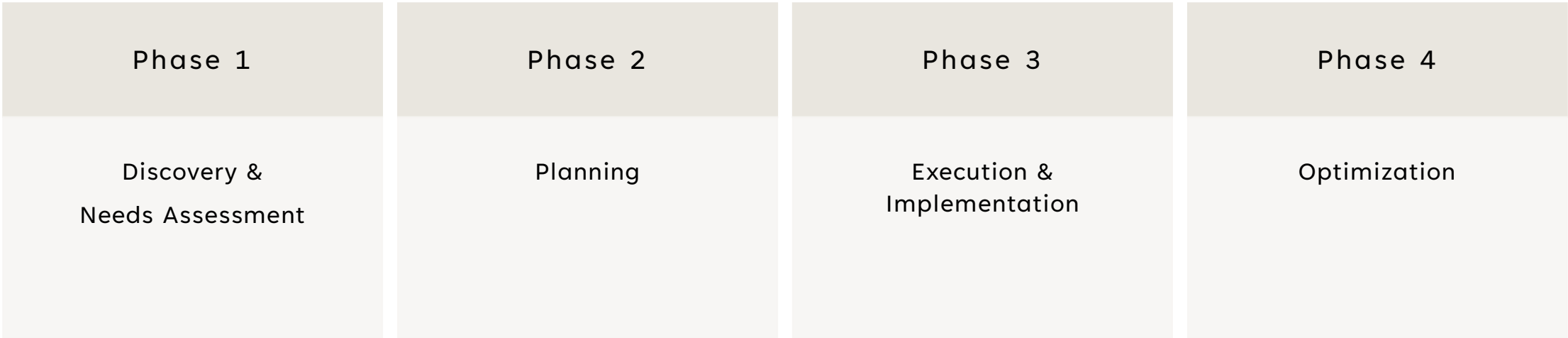
LEARN FROM MY EXPERIENCE...

[Taking short cuts or missing a step has consequences](#)

**THE RIGHT STEPS
REALLY DO MATTER!**



PROGRAM TRANSFORMATION JOURNEY



MY 10 STEPS

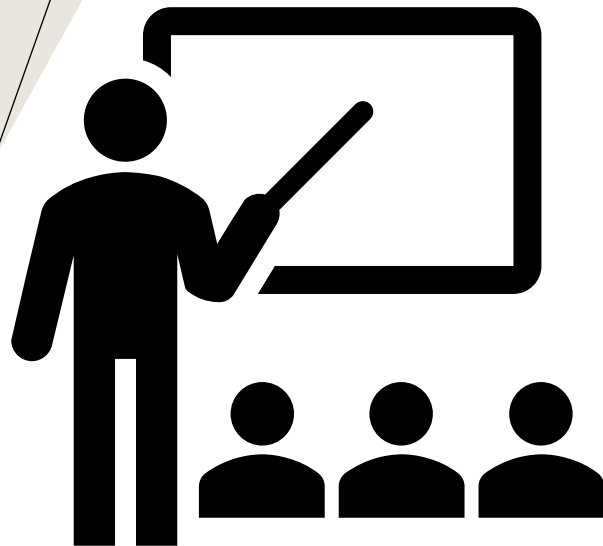
Step 1	Step 2	Step 3	Step 4	Step 5
Identifying Program Champion	Determine Program Infrastructure	Resource Assignment	Barriers Assessment	Advocacy & State Coalition Engagement
Step 6	Step 7	Step 8	Step 9	Step 10
Program Model	Workflow Protocol & Clinical Pathways	Tools & Outreach Planning	Roll-out Plan	Assess, optimize, scale

PROGRAM TRANSFORMATION JOURNEY

- Phase 1 | Discovery & Needs Assessment
- Phase 2 | Planning
- Phase 3 | Execution & Implementation
- Phase 4 | Optimization & Support

Step 1	Step 2	Step 3	Step 4	Step 5
Program Champion	Program Infrastructure	Resource Assignment	Barriers Assessment	Advocacy & State Coalition Engagement
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*FAILING TO PLAN
=
PLANNING TO FAIL*

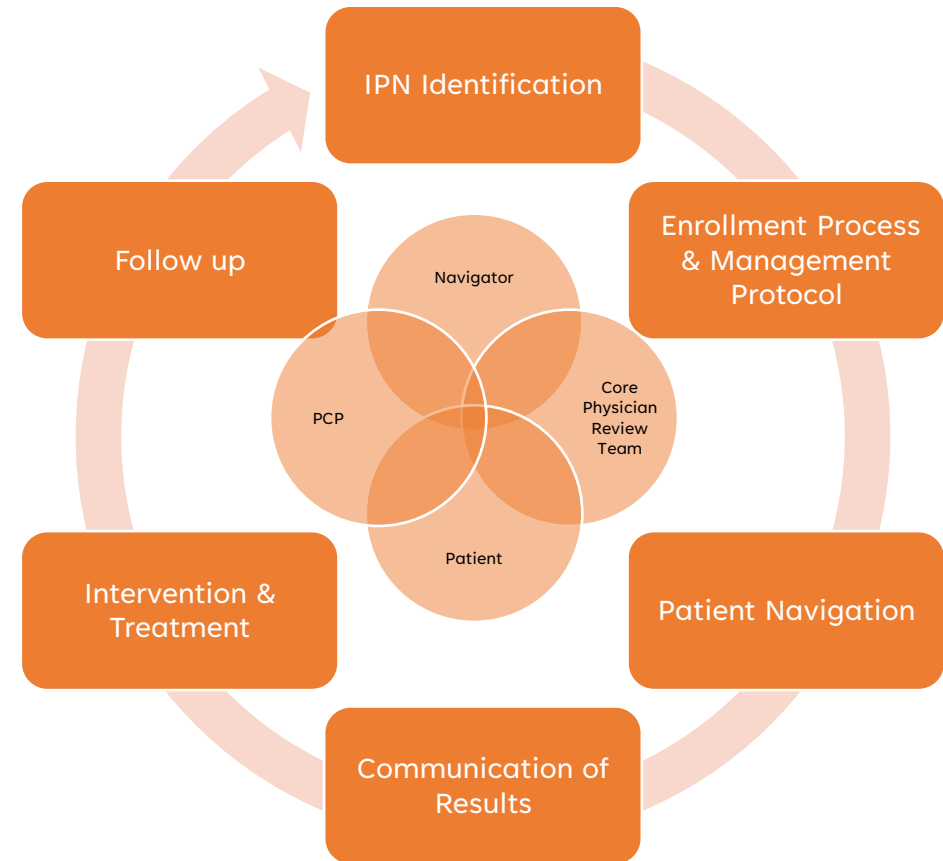


LCS VERSES IPN PROGRAM

- Screening is complex with many touchpoints



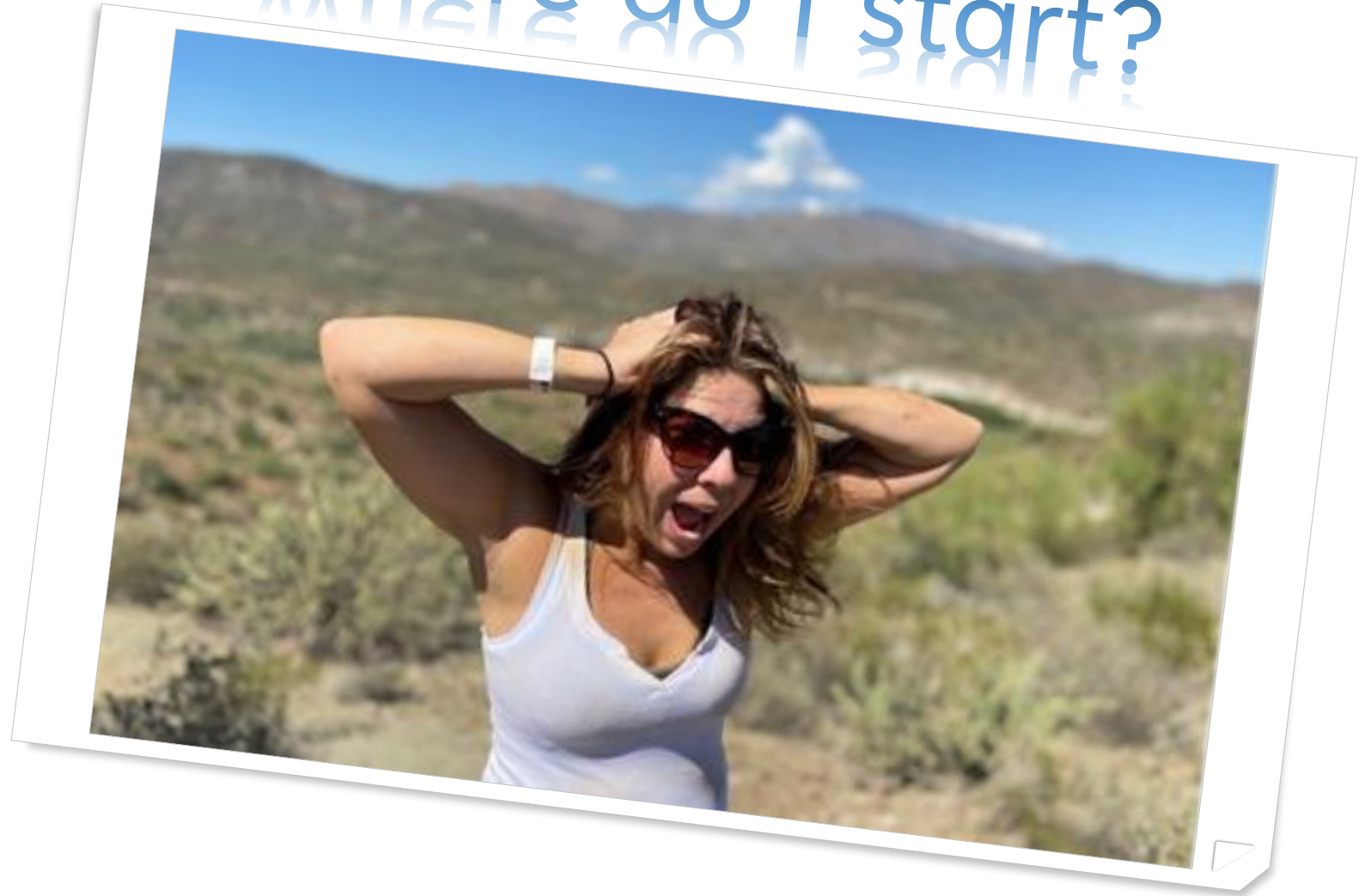
- Incidental less complex



Where do I start?

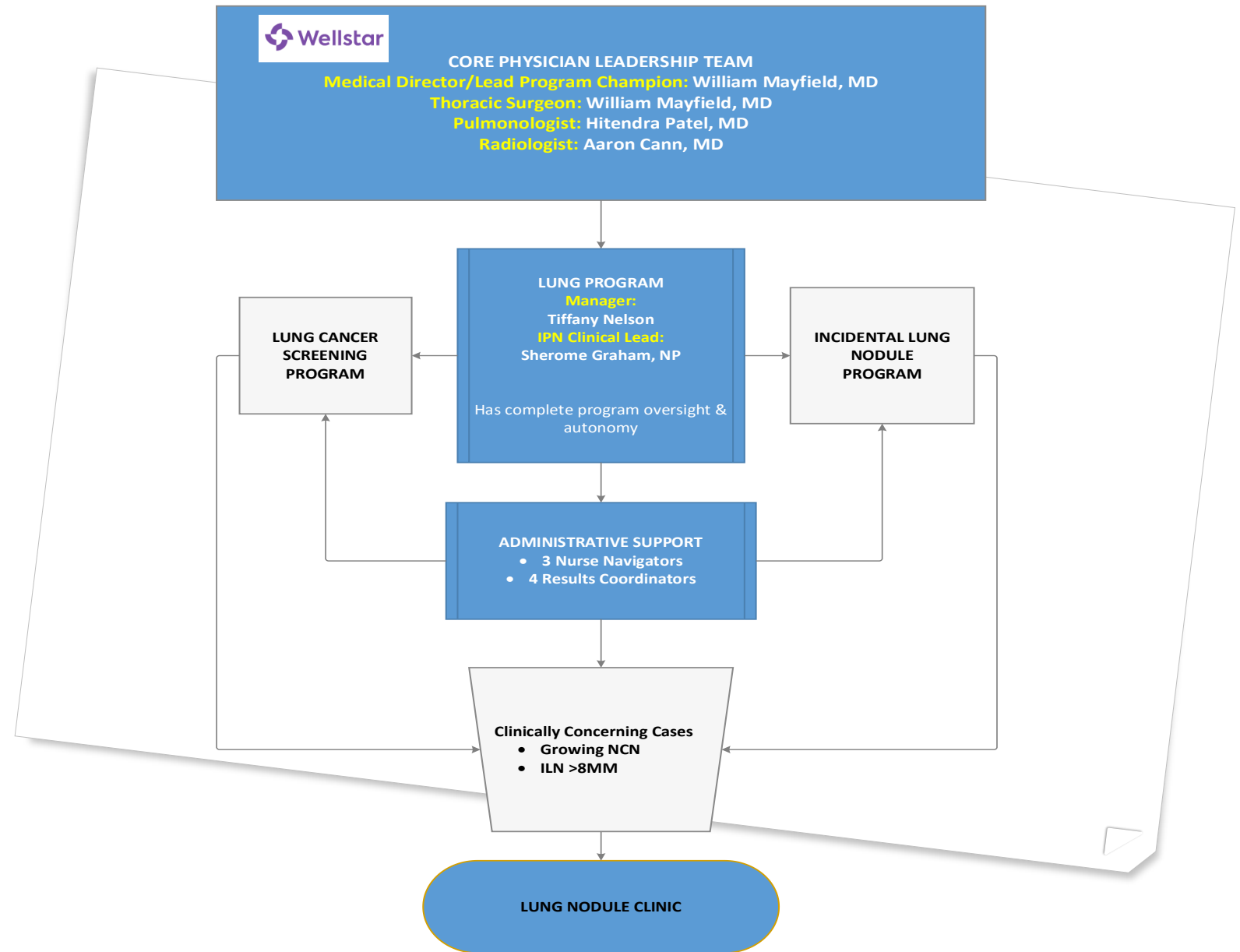
STEP 1

- ❑ Identify physician champion



STEP 2

- ❑ Determine Program Infrastructure
- ✓ Map out organizational chart
- ✓ Develop a formal program charter with roles, responsibilities, program autonomy
- ✓ Consider SWOT or SBAR analysis
- ✓ Write job descriptions
- ✓ Form Implementation workgroup:
 - Clinical stakeholders
 - Lead Physician Champion
 - Program Navigator
 - Radiologist
 - Pulmonologist
 - Thoracic Surgeon
 - Primary Care
 - Administrative leader
 - Compliance & Legal
 - Radiology
 - Marketing
 - Physician Relations
 - Registration
 - Scheduling
 - Revenue Integrity/Billing/Coding



STEP 3

- Resource Assignment
- ✓ Identify program lead
- ✓ Plan and assign staffing resources



STEP 4

- ❑ Barriers Assessment
- ✓ Identify internal and external barriers
- ✓ Develop mitigation strategy
- ✓ Build your program around your findings



STEP 5

- Advocacy & State Coalition Engagement
- ✓ Indigent care
- ✓ ROI calculators
- ✓ Start up resources
- ✓ State cancer goals



STEP 6

- Program Model
- ✓ Determine program model.
PCP or Program managed?

Note: If building IPN program,
determine filtering criteria

- ❖ Which exams?
- ❖ EMR or software capabilities for
search criteria? Can it easily be
refined to minimize false positives
& undesired cases? (i.e., complex
cancer or nodule follow up.)
- ❖ Patient type/departments?
- ❖ Age criteria?
- ❖ Ordering physician?
- ❖ Ordering indication?



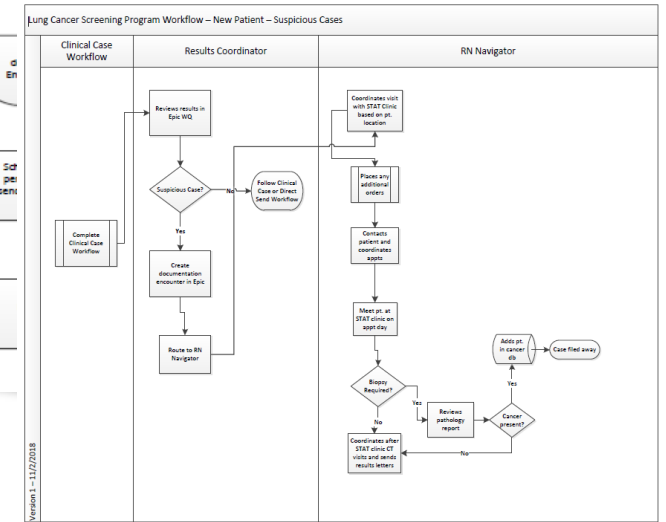
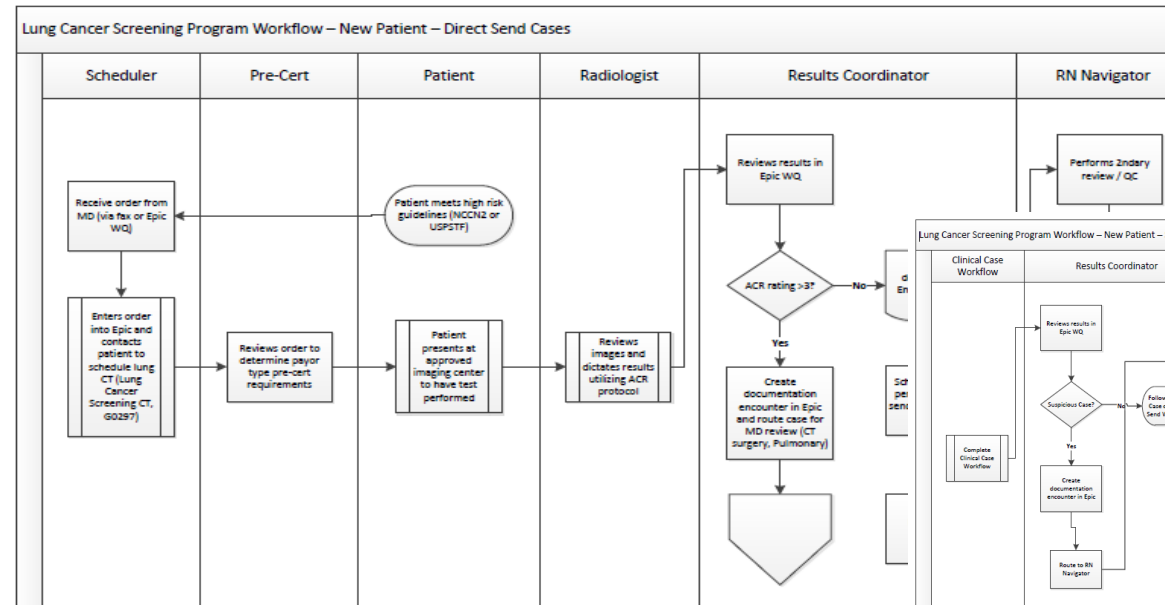
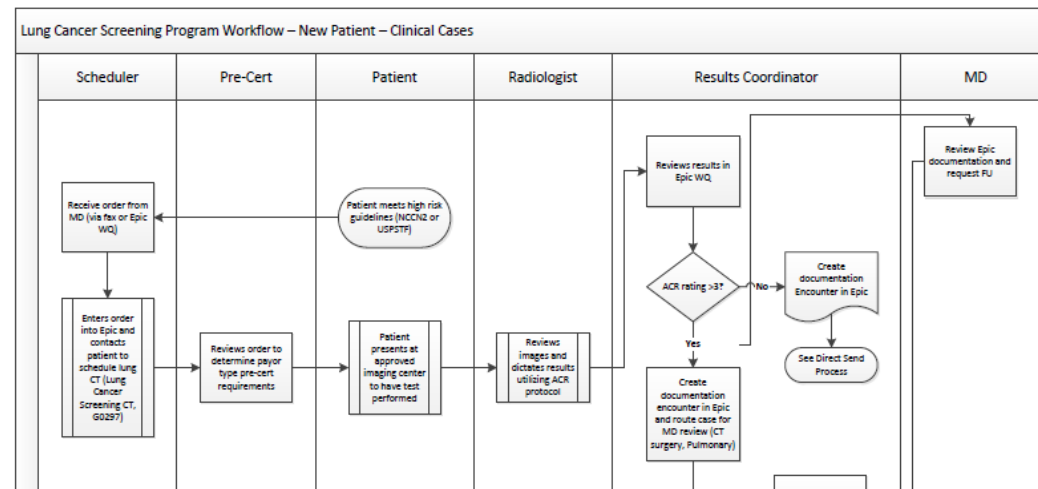
STEP 7

❑ Workflow Protocol & Clinical Pathways

- ✓ Develop & map out Nodule Management & Clinical Workflow Protocol (Applies to both LCS & IPN)
- ✓ Explore and compare software options for patient management and data tracking


Note: The workflow will differ for IPN program.

- ❖ Must address <6mm NCN for those who don't meet Fleischner criteria. You basically have 6 options.
 1. Do nothing
 2. Manage through program
 3. Manage through clinical trial
 4. Manage through blood assay testing
 5. Defer to PCP but send patient notification
 6. Defer until system has a plan – nothing needed sooner than 12 months anyway
- ❖ Remember these patients are unaware unlike LCS. You will be notifying them retrospectively. Must factor this into the notification process.



STEP 8

- Tools & Outreach Planning
 - ✓ Develop program support tools, materials, and plans
- 1) Forms & Documents
 - Notification letters
 - Intake forms
 - Orders/referrals
 - Workflow process/algorithm
 - Dictation template
 - Schedule call script
 - Program Charter
 - 2) Smoking Cessation Integration Plan
 - 3) Marketing & Community Outreach
 - Collateral Materials
 - Marketing & Outreach Plan
 - Physician & community Education
 - 4) ACR Registry & COE Screening Designation Application
 - 5) Finalize plan for software or patient management and data tracking tools



Stop Smoking Resource Guide

CT Lung Screening Order

Smoking is the leading preventable cause of death in the United States, killing more than 435,000 people annually. It contributes to heart disease, stroke and cancer.

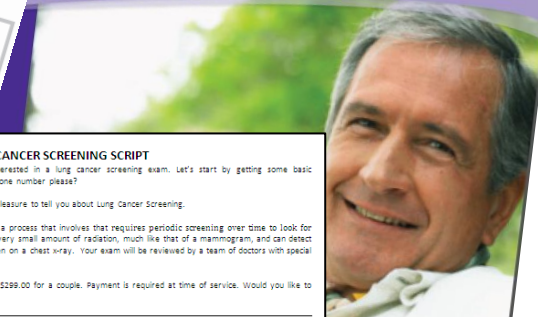
To be completed by a physician. Please fax order to 470-793-4045.

Patient Name: _____ DOB: ____/____/____ Age: ____
 Patient Phone: _____ State: _____
 Patient Address: _____ ID#: _____ Zip: _____
 Insurance Carrier: _____ Year Quit: _____

To be completed by your doctor:
 FORMER SMOKER Pack years: ≤ 29 ≥ 30
 CURRENT SMOKER Pack years: ≤ 29 ≥ 30
 NEVER SMOKER (If never smoker, must be willing to enroll in a research study through the lung screening program)

Indication for Exam: Lung Cancer Screening
 Z12.2 | Screening for respiratory neoplasm
 Z87.891 | History of nicotine dependence
 Z72.0 | Tobacco use
 F17.210 | Nicotine dependence, cigarettes, uncomplicated
 F17.211 | Nicotine dependence, cigarettes, in remission
 F17.213 | Nicotine dependence, cigarettes, with withdrawal
 F17.218 | Nicotine dependence, cigarettes, with other nicotine-induced disorders
 F17.219 | Nicotine dependence, cigarettes, with unspecified nicotine-induced disorders
 Z80.1 | Family history of lung cancer

By signing this order, you are certifying that the patient meets the criteria for Lung Cancer Screening Decision-Making Guide.



LUNG CANCER SCREENING SCRIPT

Thanks for calling. We're excited that you're interested in a lung cancer screening exam. Let's start by getting some basic information. May I have your name, address, and phone number please?

Thank you MM, I'm and it will be my pleasure to tell you about lung cancer screening.

Lung cancer screening is not a one-time exam, but a process that involves taking periodic screening over time to look for suspicious changes in the lungs. This test uses a very small amount of radiation, much less than that of a mammogram, and can detect tiny abnormalities that are often too small to be seen on a chest x-ray. Your exam will be reviewed by a team of doctors with special training and expertise in lung cancer screening.

The cost of the exam is \$199.00 for one person or \$299.00 for a couple. Payment is required at time of service. Would you like to proceed to see if you are eligible for screening?

ELIGIBILITY ASSESSMENT

Is caller age 50-79 and a current, former, or never smoker? No: **Not eligible** Yes: Continue

Current or Former:

Does/Did the caller's smoking history in pack years. A pack year is the number of years smoked multiplied by the number of cigarettes smoked per day. For example, a person that smoked 2 packs per day for 20 years (40 pack-years) has a 40 pack-year (PY) history of smoking.

What is the caller's pack year history? PPD: _____ x YRS = _____ PY

< 20: Not eligible

Is caller a current smoker or have they quit within the past 15 years?

- If yes, and they are age 55 or over, then they are eligible – **STOP here**
- If yes, and they are age 50-54, then go to RISK question.
- If no, go to RISK question.

20-29: Go to RISK question

Smoker:

Has caller been exposed to secondhand smoke for at least 20 years? No: **Not eligible** Yes: Go to RISK question

Question:

Does caller have any of the following risk factors? No: **Not eligible** Yes: **Eligible-STOP**


- Close blood relative with lung cancer
- History of pulmonary fibrosis or Chronic Obstructive Pulmonary Disorder (COPD)
- History of cancer (excluding non-melanoma of the skin)
- Exposure to cancer-causing agents such as: Radon, arsenic, beryllium, cadmium, chromium, nickel, asbestos, coal smoke, soot, silica, diesel fumes, or agent orange

I/M _____ you meet the screening eligibility for this exam. The next step is to get you scheduled for an appointment; however, before I transfer you, I'd like to tell you about a research opportunity.

Basically, a national screening trial has demonstrated lung cancer screening using low-dose CT effective in reducing lung cancer deaths. However, this trial was limited to only those between the ages of 55-74 with a 30 pack year* smoking history. Currently, insufficient data exists to determine whether other groups, such as current or former smokers under the age of 55 and never smokers age 50-74 would benefit from low-dose CT screening. Because you have agreed to undergo a lung screening exam, you are eligible to participate in a Wellstar Sponsored Lung Cancer Screening Research Registry. Your participation may help researchers determine the benefit of screening a broader population. I'm going to mail you information about the registry and ask that you consider having part in the study. Participation in the registry is completely voluntary. (A registry is a confidential database of collected information from people that can be used for the purpose of research to further study health conditions or diseases.)

I'm going to transfer you now and a representative in our Central Scheduling department is going to assist you with your appointment; however, just in case you get disconnected, the direct number is 678-851-8900. Please let the representative know you have been pre-screened by the Call Center, and need to make an appointment for a lung cancer screening exam. It has been my pleasure to assist you today.

Lung Cancer Screening Decision-Making Guide



Is lung cancer screening right for me?

Screening is recommended for people who are most likely to develop lung cancer. There are pros and cons to screening, so speak with your doctor about starting a screening program if either one of these groups describe you:

A) Age 55-80 with a 30-pack year* smoking history and currently smoke or quit less than 15 years ago; or

B) Age 50 and over with a 20-pack year* history of smoking and one of the following additional risk factors:

- Exposure to cancer-causing agents such as, arsenic, beryllium, chromium, diesel fumes, nickel, coal smoke, soot or radon.
- History of COPD or pulmonary fibrosis
- History of cancer
- Family history of lung cancer

The United States Preventive Services Task Force recommends screening stop once a person has not smoked for 15 years or develops a health problem that limits life expectancy or the ability to have a routine lung exam. You must be in general good health.

Screening for lung cancer uses a low-dose CT scan of the chest to help find cancerous lung nodules. Most people with early-stage lung cancer do not have any symptoms, which is why screening is important. Lung cancer is also highly curable if found early.

Screening is not a one-time test. It's a process of repeat chest CT exams to look for suspicious lung nodules that develop or change over time. The exam uses a low-radiation dose chest CT or "CAT Scan" which is quick and painless and does not involve any needles or contrast.

SCREENING INTAKE FORMS

Addresses Research Registry, smoking cessation, and serves as consent to multi-disciplinary review process

Lung Cancer Screening History Assessment



PLEASE PRINT CLEARLY

Name (Last) (First) (MI)	State of Birth	Age	Gender <input type="checkbox"/> Male <input type="checkbox"/> Female
Home Phone	Work Phone	Cell Phone	
Mailing Address			
Primary Care Doctor (Name) & LAST Name	Street Address	City	State Zip
If you would like a copy of your results sent to a pulmonologist, please write FIRST & LAST Name and address			
If you would like a copy of your results sent to a cardiologist, please write FIRST & LAST Name and address			
Occupation	How did you hear about lung cancer screening?	Email Address	
Years of Education	Served in the military? (If yes, what branch?)		
<input type="checkbox"/> < 12 <input type="checkbox"/> 12 or GED <input type="checkbox"/> 2 yr college/trade school <input type="checkbox"/> Undergraduate <input type="checkbox"/> Advanced degree	<input type="checkbox"/> No <input type="checkbox"/> Yes		
Race/Ethnicity	<input type="checkbox"/> Asian <input type="checkbox"/> Caucasian/White <input type="checkbox"/> Hispanic/Latino <input type="checkbox"/> Other		

WHAT YOU NEED TO KNOW
Please read below and sign

Lung cancer screenings are not a one-time exam, but a process that involves periodic follow-up CT exams over time to look for newly emerging cancer. This test can detect tiny nodules in the lungs that are too small to be seen on a chest X-ray. The capability of CT scanners to detect these tiny nodules and to compare for changes in size over time is critical to the screening process. Research shows low-dose CT screening is effective in reducing lung cancer deaths.

Like most medical procedures, screenings have inherent risks and limitations. Considering the lifetime probability of developing lung cancer is 1 in 14 people and the 5 year late-stage survival rate is 1-5%, the risks of screening through an expanded screening program are minimal compared to the benefits of early detection. The risks and limitations of screening include: This test may find abnormalities that have to be evaluated with more tests. Finding abnormalities can lead to additional tests and cause anxiety. Tests could include repeat CT scans or more invasive procedures such as a bronchoscopy or biopsy. Some invasive procedures can lead to complications like a collapsed lung or, rarely, even death. This test uses a **fraction** of radiation. This test will expose you to less than 15 millirem (mrem) of radiation. This is much less radiation than a conventional chest CT scan, which would expose you to about 7-20 mrem. Evidence suggests that the risk of cancer caused by this test is very low. There can come in the form of improperly performed CT scans that inappropriately expose patients to much higher than necessary levels of radiation - another reason why CT screening should only be done at a computerized, supervised site that adheres to a well-defined protocol for screening. This test may not detect all lung cancers. **There is no guarantee early detection will avoid death.** Lung cancer found early increases your chance for survival through early treatment and cure, however, some cancers can recur, even when found early, and spread to other parts of the body. This is called metastasis. Once a cancer has spread, it is difficult to treat and often leads to death. Research continues to show early detection is the best hope for survival.

As part of the lung cancer screening process, a multi-disciplinary review by our Lung Cancer Screening Physician Team is recommended. Your signature below indicates you authorize this team of doctors with special training and expertise in lung cancer screening to review your exam and make recommendations following an established screening protocol. These physicians are committed to following best published practices to avoid over-treatment and unnecessary invasive procedures.

I acknowledge, understand and agree that my CT examination report will be mailed to me and my primary physician listed above. The report may contain information that is protected under State law and Federal regulations and WellStar Health System is not liable or responsible should the report and/or images be lost to the United States mail. It is my responsibility to follow up with my doctor regarding the results of this exam. I have been given a copy of the Lung Cancer Screening Decision Making Guide and Research Registry Information Sheet and all questions I have regarding this examination have been adequately answered. I understand that I may withdraw my participation at any time.

Signature: _____ Date: _____

Revised 05/2018 Affix Patient Label Here

Lung Screening History Assessment

HEALTH & BACKGROUND HISTORY

Is this your first lung cancer screening exam? No Yes
Have you taken any antibiotics within the past 6 months? No Yes
When? _____ For What? _____

Are you currently experiencing any of the following symptoms: worsening cough, coughing up blood, persistent ~~breathlessness~~ or unexplained weight loss? No Yes *If yes, please explain*

Do you have a family history of lung cancer? No Yes *If yes, please list family member(s)*

Do you have any known exposure to radon, asbestos or other cancer causing or concerning substance? No Yes *If yes, please explain*

Have you worked in any of these industries: auto repair, chemical, foundry, refinery, building maintenance, mining, construction, demolition, nuclear power, asbestos product manufacturing, or ship construction/repair? No Yes *If yes, please explain*

Please list any neck, back, abdominal or chest surgeries:

Have you been diagnosed or had any of the following?

<input type="checkbox"/> No <input type="checkbox"/> Yes	Cancer	Type?	Diagnosed when?	How was it treated?
<input type="checkbox"/> No <input type="checkbox"/> Yes	Asthma			
<input type="checkbox"/> No <input type="checkbox"/> Yes	Emphysema			
<input type="checkbox"/> No <input type="checkbox"/> Yes	COPD or Pulmonary Fibrosis			
<input type="checkbox"/> No <input type="checkbox"/> Yes	High Blood Pressure			
<input type="checkbox"/> No <input type="checkbox"/> Yes	High Cholesterol			
<input type="checkbox"/> No <input type="checkbox"/> Yes	Diabetes			
<input type="checkbox"/> No <input type="checkbox"/> Yes	Heart Attack, Angioplasty, Heart Stent or Heart Surgery			

TOBACCO USE & SMOKING EXPOSURE

Please check one: Current Smoker Former Smoker Never Smoker (smoked less than 100 cigarettes in your lifetime)

If never smoker, how many years exposed to secondhand smoke? _____

How old were you when you first started smoking? _____ Which tobacco products would you regularly use - either in the past or now?
 Cigarettes Pipes Cigars Other

How many packs of cigarettes do you now use _____ If pipe, # of loads _____ # of Cigars _____ Other _____
used to smoke per day?

How many years have you or did you smoke? No Yes _____ Have you since quit, if so, when? _____ Are you currently trying to quit smoking? No Yes

If YES, and are ready to quit tobacco, please indicate with your initials that you would like to be contacted by a Georgia Tobacco Quit Line counselor. This is a free resource providing counseling, support, and referral for all Georgia residents 18 years and older regarding smoking cessation.

(Initial) _____ Please have the Georgia Tobacco Quit Line contact me to help me with my quit plan. I give permission for my name, age, city, and phone number listed above to be provided to the Quit Line and for a tobacco counselor to call me between the hours indicated. If I am unavailable, the counselor may leave a message. Best time to call:
 6AM-9AM 9AM-12PM 12PM-3PM 3PM-6PM 6PM-9PM

WELLSTAR STAFF USE - IMPORTANT: Please remember!
1) Scan this document to Media Tab and label it 2) Scan
2) Call lung screening department at 478-793-4247 with questions about exam or order

Revised 05/2018

First healthcare organization in Georgia!

How many years have you or did you smoke?	Have you since quit, if so, when? <input type="checkbox"/> No <input type="checkbox"/> Yes _____	Are you currently trying to quit smoking? <input type="checkbox"/> No <input type="checkbox"/> Yes
<p>If Yes, and are ready to quit tobacco, please indicate with your initials that you would like to be contacted by a Georgia Tobacco Quit Line counselor. This is a free resource providing counseling, support, and referral for all Georgia residents 18 years and older regarding smoking cessation.</p> <p>(Initial) _____ Please have the Georgia Tobacco Quit Line contact me to help with my quit plan. I give permission for my name, age, city, and phone number listed above to be provided to the Quit Line and for a tobacco counselor to call me between the hours indicated. If I am unavailable, the counselor may leave a message. Best time to call:</p> <p><input type="checkbox"/> 6 AM - 9 AM <input type="checkbox"/> 9 AM - 12 PM <input type="checkbox"/> 12 PM - 3 PM <input type="checkbox"/> 3 PM - 6 PM <input type="checkbox"/> 6 PM - 9 PM</p> <p>WELLSTAR STAFF USE - IMPORTANT: Please remember!</p>		

LUNG CANCER SCREENING RESEARCH REGISTRY & PROTOCOL

To advance research and help broaden screening criteria

Community-Based Multidisciplinary Computed Tomography Screening Program Improves Lung Cancer Survival

Daniel L. Miller, MD, William R. Mayfield, MD, Theresa D. Luu, MD, Gerald A. Helms, MD, Alan R. Muster, MD, Vickie J. Beckler, BSN, and Aaron Cann, MD, PhD

Multidisciplinary Thoracic Oncology Program, WellStar Health System/Mayo Clinic Care Network, Marietta, Georgia

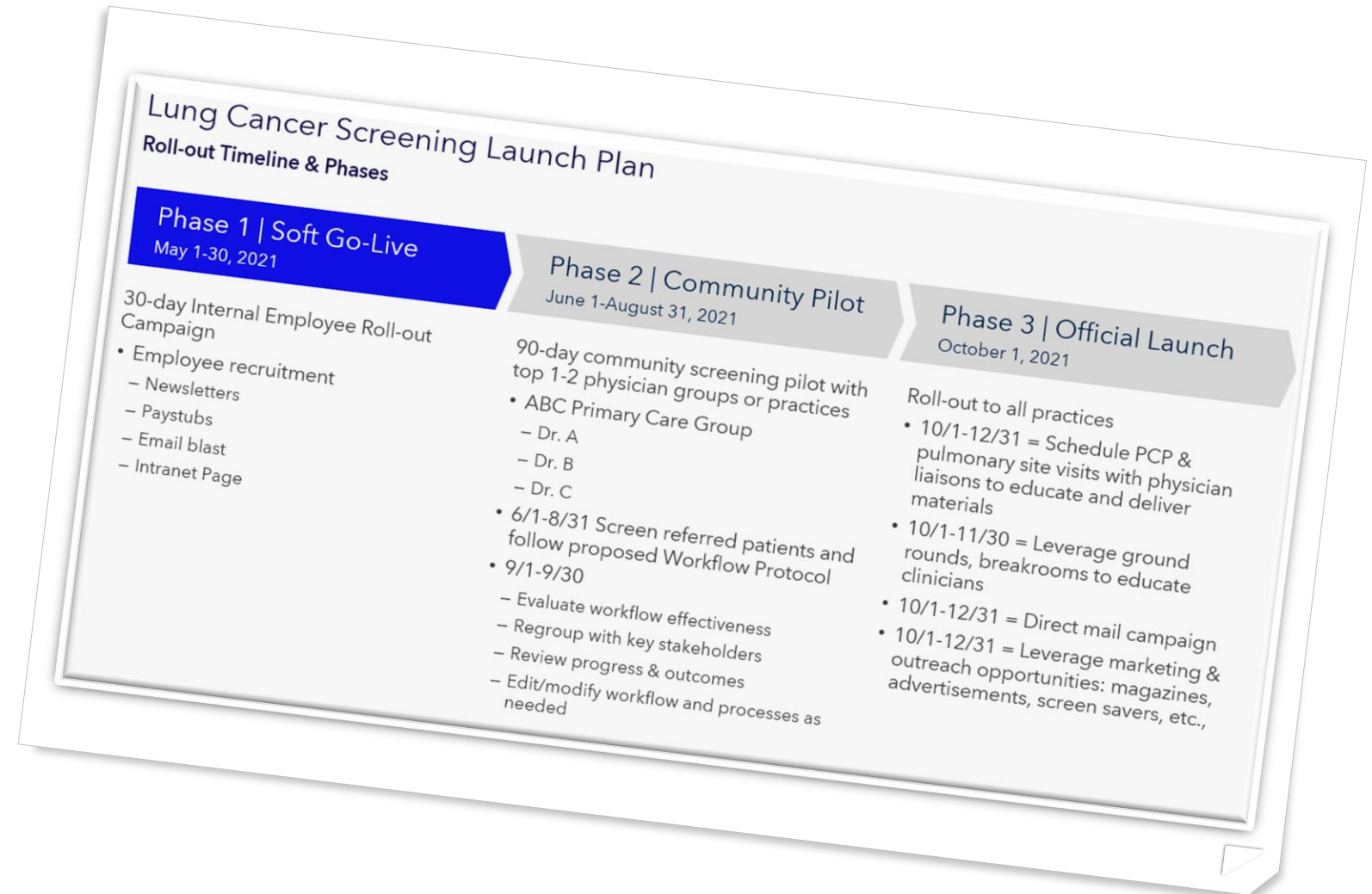
Background. Lung cancer is the most common cause of cancer deaths in the United States. Overall survival is less than 20%, with the majority of patients presenting with advanced disease. The National Lung Screening Trial, performed mainly in academic medical

pulmonary nodules were found in 518 patients (41%). Thirty-six patients (2.8%) underwent a diagnostic procedure for positive findings on their CT scan; 30 proved to have cancer, 28 (2.2%) primary lung cancer and 2 metastatic cancer, and 6 had benign disease. Fourteen



STEP 9

- ❑ Roll-out Plan
- ✓ Develop roll out strategy using a phased approach.
- ✓ With all prior steps complete, launch program using small group as an initial pilot



Go, grow, and win BIG!

STEP 10

- ❑ Assess, Optimize, Scale
- ✓ Upon completion of initial pilot, assess effectiveness, modify or adjust Nodule Management & Clinical Workflow Protocol as needed





COMPONENTS TO SUCCESS

- Growth & sustainability
- The Patient Journey

GROWTH & SUSTAINABILITY

• Obstacles

- Lack of leadership support or engagement of critical stakeholders
- Lack of system funding
- No dedicated navigator or one with no autonomy to lead
- No defined or standardized clinical workflow
- Inefficient and ineffective workflow
- Poor patient management practices
- Poor patient screening adherence
- System deployed siloed screening programs
- Overcomplicate shared decision making (SDM)

• Drivers

- Engagement & Support
 - Support from senior leadership and PCP engagement
 - Dedicated physician review team and champion with program oversight
 - Program navigator with autonomy to lead
 - Screening Triad: Nurse Navigation, MDC Team, COE Designated
- Education
 - Invest time up front building physician & patient relationships
 - Navigator & Champion should be the “Face of Screening”
 - Improves confidence, referrals, and adherence
 - Patients who understand the survival benefit are more inclined to adhere to continued screening
- Effective & efficient service delivery processes
 - Make it **easy** for ordering clinician and patient
 - One Stop approach to screening
 - *One-call, one-time scheduling*
 - *Communicate results & recommendations promptly and directly to both patient and ordering clinician*
 - *Manage nodules through program– helps to minimize overtreatment through protocol adherence*
 - *Program navigate the patient*
 - *Program schedules the follow-up*
 - *Effective patient management platform or software*
 - *Own the process – all touchpoints in-house!*
 - *Implement effective, efficient, AND scalable workflow processes*

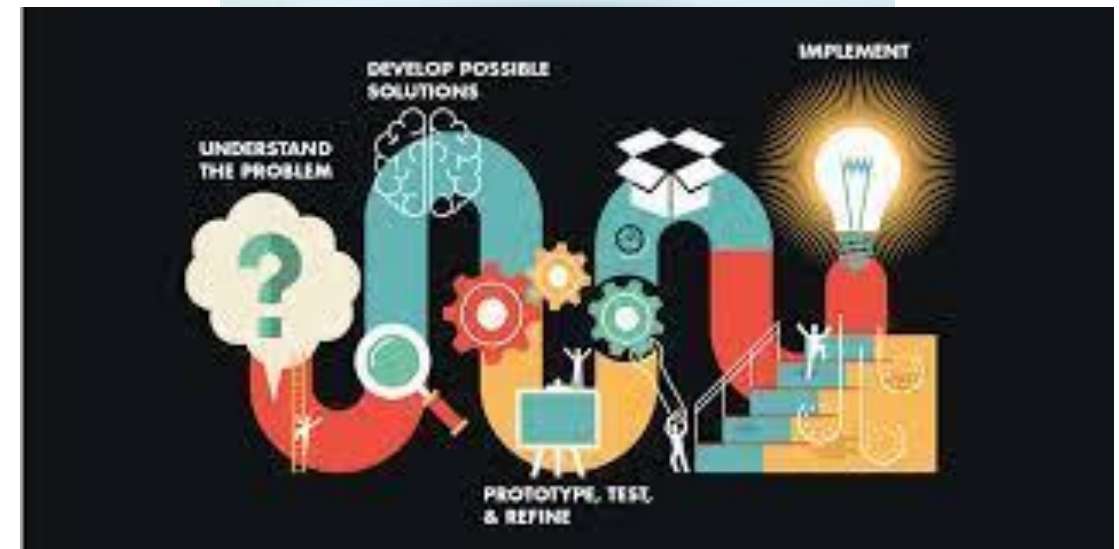
THE PATIENT JOURNEY

Incorporate Design Thinking (*Human Center Design*) Methodology Into Build

- Process used to understand product end-users, challenge assumptions, redefine problems and create innovative solutions to prototype and test. Incredibly useful to tackle problems that are ill-defined or unknown.

Five phases

- Empathize – Put yourself in end-user’s shoes. Study to understand how the issue, situation looking to solve makes them feel or the overall impact.
 - Define
 - Ideate
 - Prototype
 - Test
- **Examples**
 - PillPack
 - Airbnb
 - Uber Eats
 - [Doug Dietz – Transforming MRI Scanners for kids](#)
 - Industrial Engineer – GE Health System
 - Great TED talk “Brick wall with a hole in it.”
 - His challenge – How to create a scanner EXPERIENCE that children would love?



THE PROBLEM WITH BOX THINKING

Inside = Basic, usual, and ordinary

Thought process... *“How are others doing this?”*



Outside = Proactive, creative & innovative

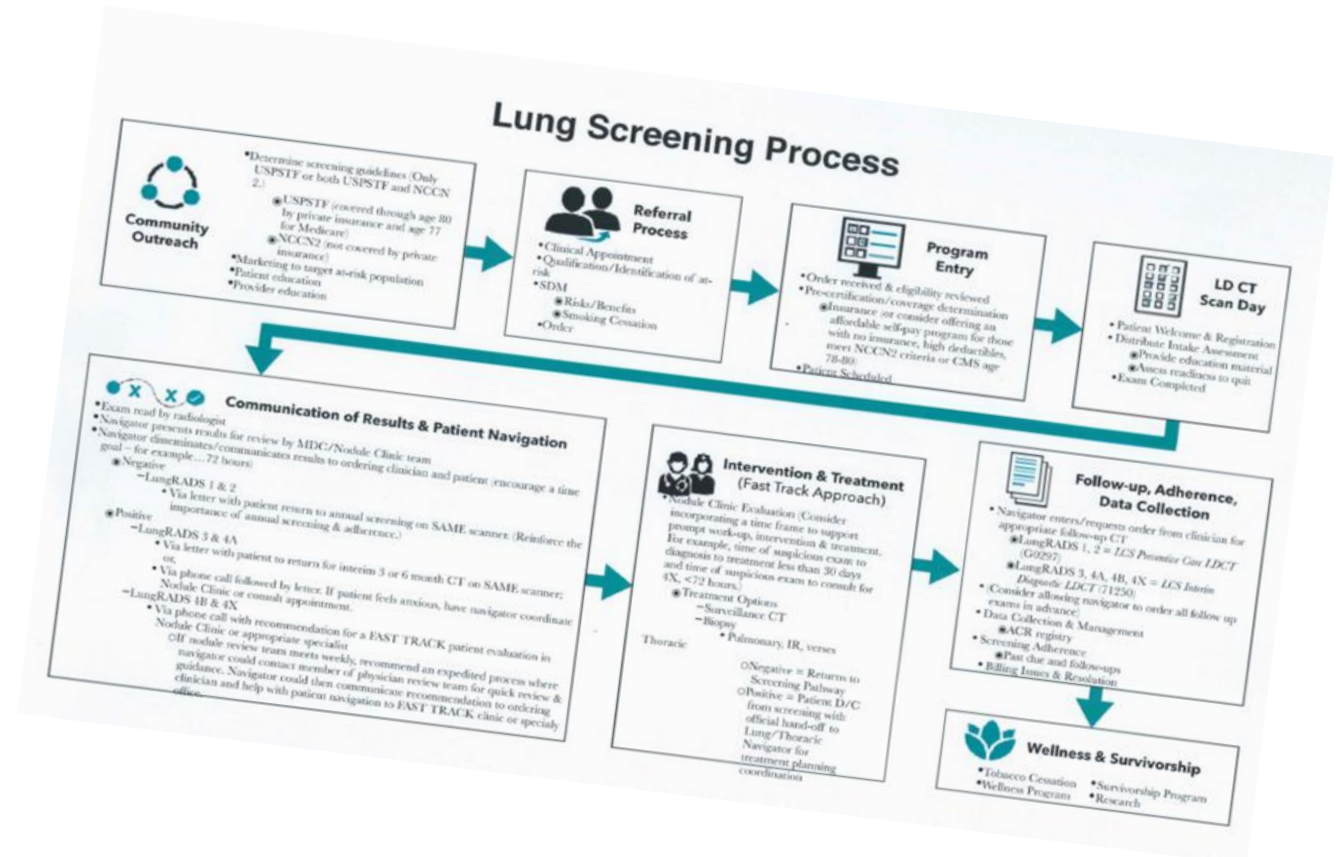
Thought Process... *“How can we do this better?”*



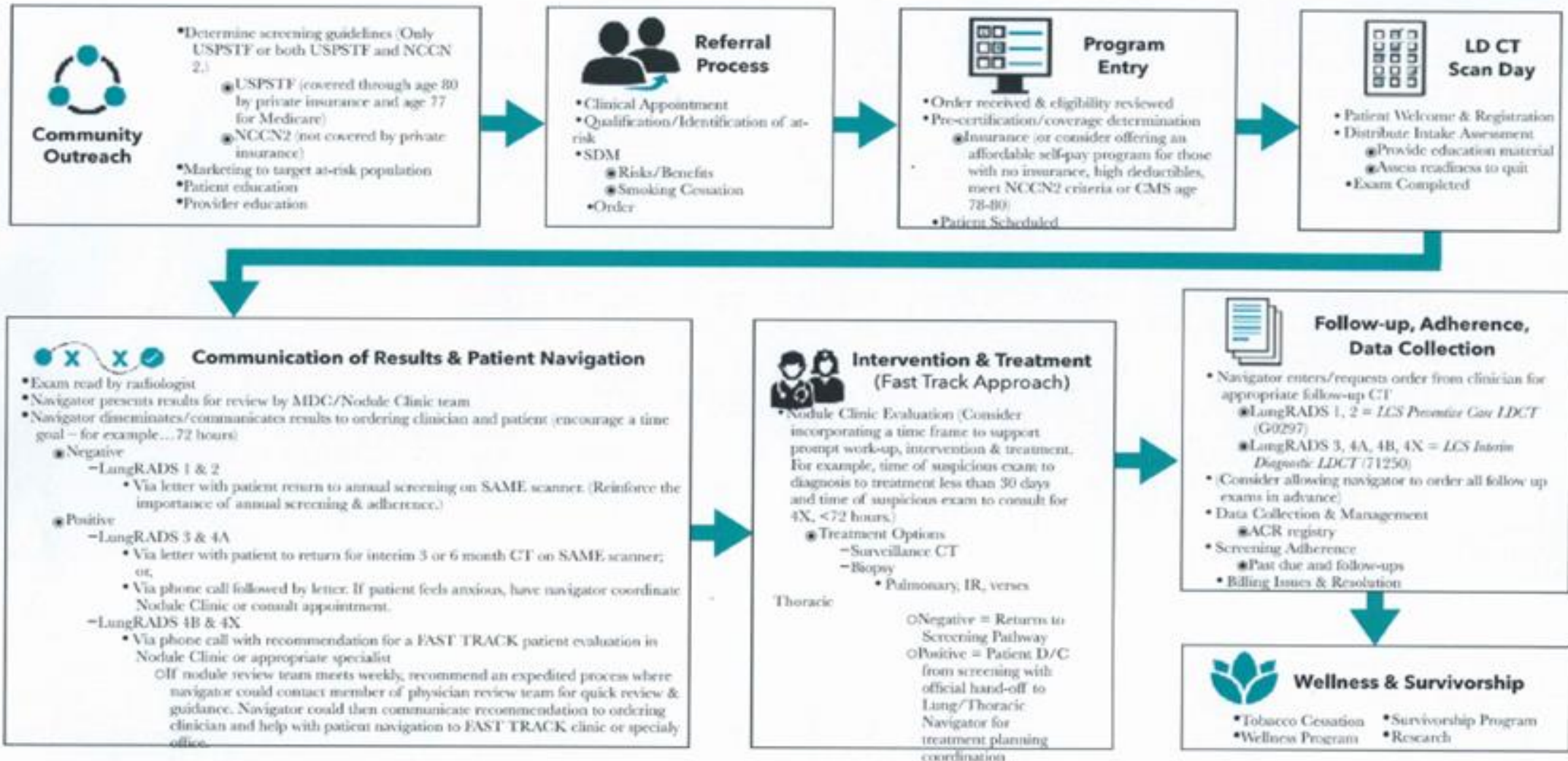
USING PATIENT CENTERED DESIGN IN PROGRAM BUILDING

Journey Map & Connect Fundamental Components

- Community Outreach
- Referral Process
- Program Entry
- LDCT Scan Day
- Communication of Results & Patient Navigation
- Intervention & Treatment
- Follow-up, Adherence, Data Collection
- Wellness & Survivorship



Lung Screening Process



MY LUNG SCREENING JOURNEY & EXPERIENCE

• How to Start an Early Intervention Lung Program: Components to Success

Wellstar Health System

- 11 hospitals
- 26 imaging centers (screened at 19)
- 9 urgent care centers
- 5 thoracic lung clinics with dedicated MDC team
- 665 lung cancer cases treated in 2022
 - 34,035 total screening exams completed
 - 11,940 unique participants
 - 409 lung cancers (1:29)
 - 84 detected via screening in 2022 (13% of total)
 - 53 ancillary cancers
 - ~600 calls a month
 - ~660 screenings a month (Lowest 542, highest 818)
 - ~10% no show rate
 - 3% biopsy rate
 - ~70% adherence rate

2023 Screenings Scheduled

- 1,8,17 = January-March (209 baselines)
- 6,567 Total patients scheduled for 2023
- On target to complete 9,500 screenings for 2023

THE WELLSTAR PROCESS (PATIENT CENTERED DESIGN)

If you make it EASY, clinicians will refer & patients will return!

LUNG CANCER SCREENING

- Orders routed to program
- Streamlined scheduling & precertification
- Dedicated phone line for intake
- All exams routed to result coordinators for review & disposition
- Results & follow-up recommendation communicated to patient and ordering clinician via program
- All LungRADS 1,2,3 = direct send. All others go through prompt clinical review process
- Concerning cases are fast tracked to MDC clinic by screening navigator
- Screening & outcome data tracked since program inception

- Dedicated physician review team. Having a Bat line is an essential! *(Basically, navigator has cell number with understanding she/he can reach out anytime to any physician for questions or guidance regarding a case.)*
- **Most significant contributor to program success...** Program **OWNS** the nodule management process. **ALL** follow-up exams are ordered and scheduled through program

INCIDENTAL LUNG NODULES

- All notification letters direct patient with a call to action to nodule program for ordering & scheduling
- Nodule program built with autonomy to order and scheduling follow up exam

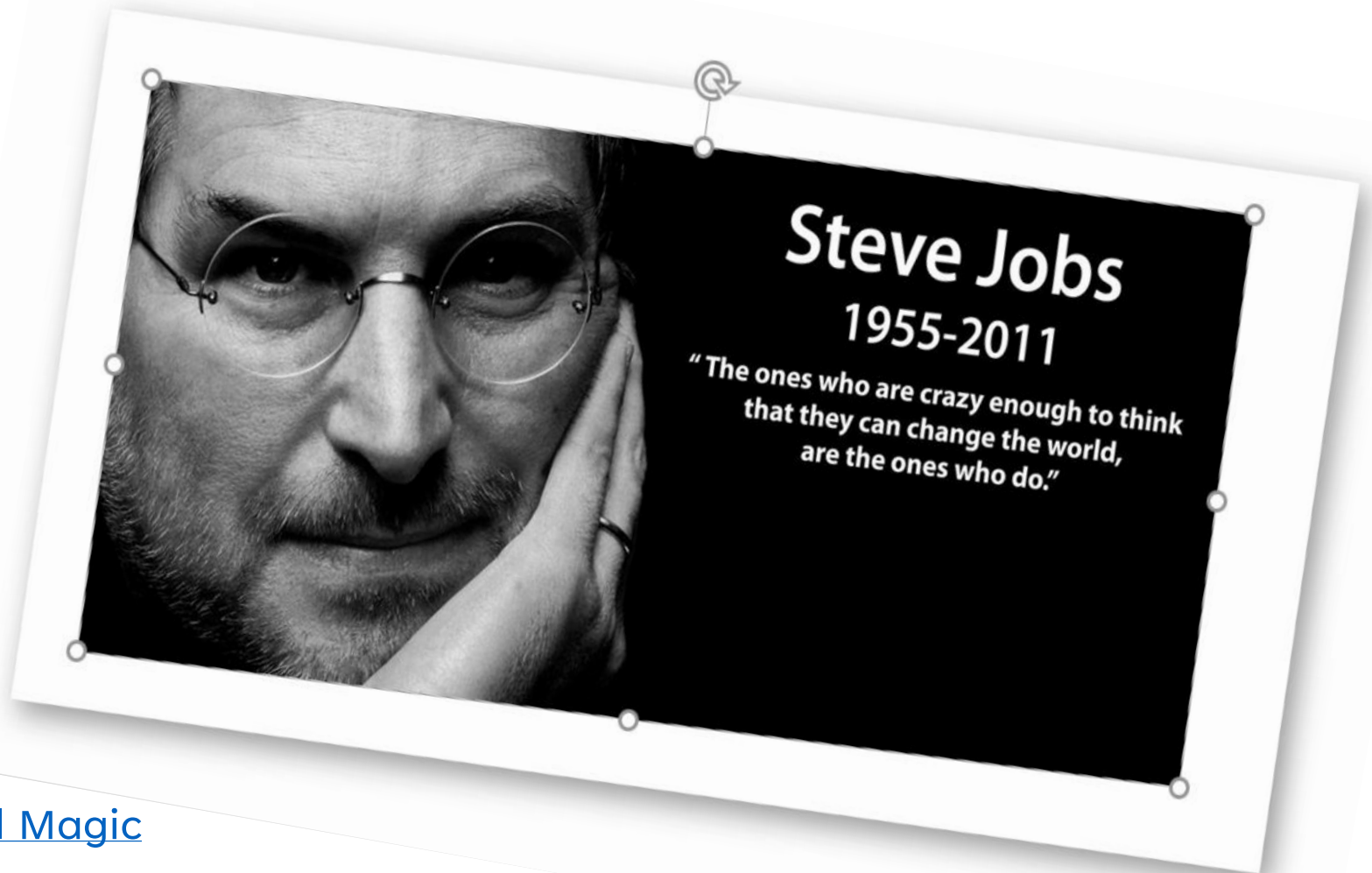
I know what you are
thinking!

*No way we could do that here.
We don't...*



We will not move the needle
screening only a few
hundred cases a month

We must do better. Think outside the
box. Think innovatively.



Homework assignment: See [General Magic](#)

Lessons Learned from General Magic AND my experience...

- *Having an idea is not good enough – must plan and execute*
- *Understand your customer and their needs*
- *The boring stuff is important*
- *Set expectations for every step along the way*
- *Release early, iterate often (Basically, stop waiting and improve as you go)*
- *Know what's going on around you*
- *Don't give up, believe in your vision*
- *Dream big without limitations*

Go build your legacy!

THANK YOU



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