

# Disparities and Challenges to Access from the Perspective of Lung Cancer Screening Implementation.

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# Lung Cancer and Race

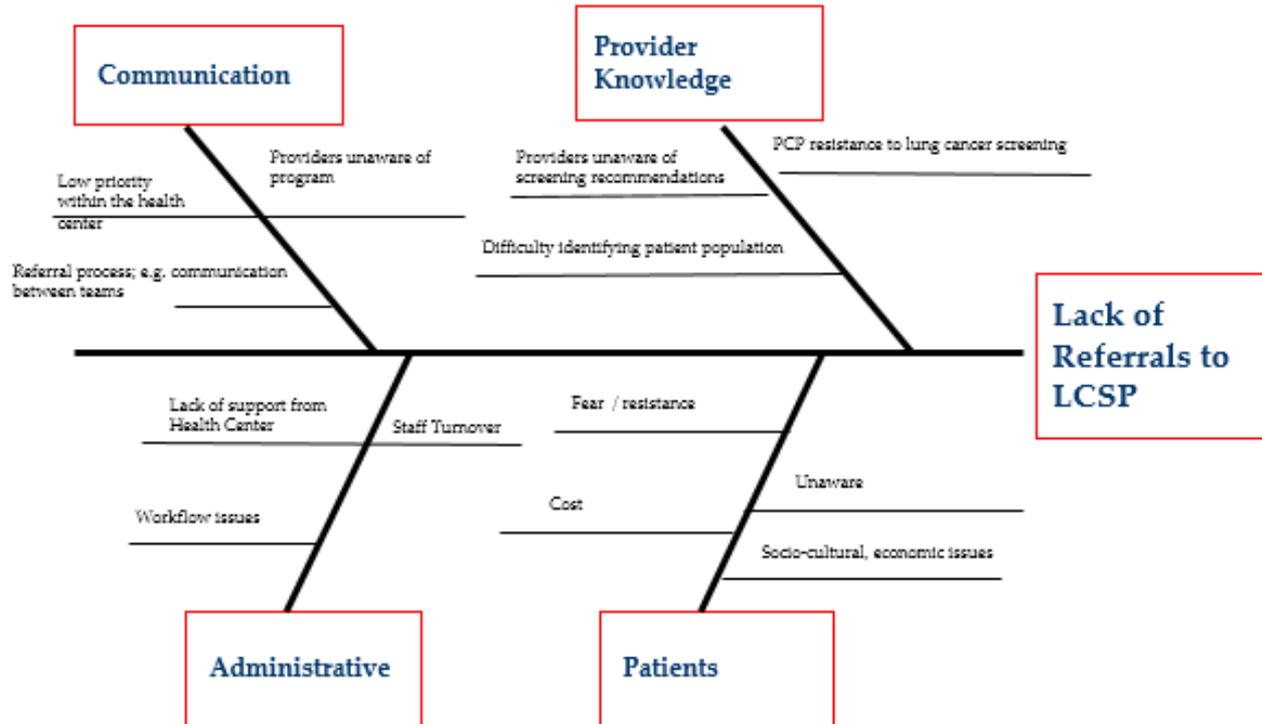
- The incidence rates and mortality rates of lung cancer are highest in Black men
- Over the past 40 years there has been a decrease in lung cancer incidence and mortality in all races
- Black men are still more likely to have lung cancer when smoking habits are adjusted for

# Cancer Care Equity Program

- Focused effort to provide Lung cancer screening to underserved patient population in 2014
- Supported by a grant by CVS
- Implemented before CMS coverage of lung cancer screening
- Embedded in a federally qualified health center
- Challenges

Clinical Characteristics (N=225)	N(%)
<b>Reasons for Referral</b>	
Hematological consult	49(22)
Evaluate for cancer	46(20)
Genetic counseling and testing	46(20)
Lung cancer screening/smoking cessation counseling	42(19)
Follow up care for cancer	34(15)
Cancer treatment	3(1)
Multiple reasons	5(2)
<b>Cancer Diagnosis</b>	
No cancer diagnosis	171(76)
Cancer diagnosis	54(24)
<b>Comorbidities</b>	
Hypertension	93(41)
Psychological disorder	81(36)
Diabetes	45(20)
Chronic obstructive airway disease	43(19)
Gastrointestinal tract disease	43(19)
Liver disease	22(10)
Cardiovascular disease	18(8)
Chronic kidney disease	9(4)
Others	26(12)
No comorbidity	39(17)

# Challenges to Screening

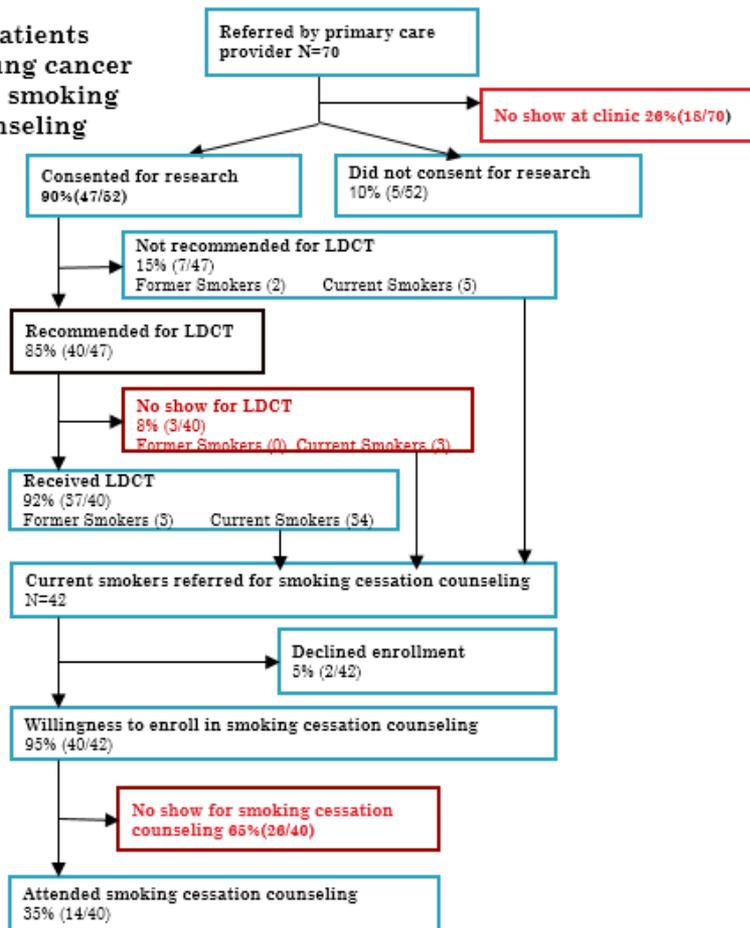


## Clinic Utilization and Smoking Cessation Practices among Ethnic Minority Patients Referred for Paired Lung Cancer Screening and Tobacco Treatment Services at a Community Cancer Program

- 70 patients
- 26% total clinic no show rate

Despite expressing a willingness to participate, the no show rate of study participants for smoking cessation counseling (65%) was significantly higher than the no show rate for the LDCT screenings (8%)

**Summary of patients referred for lung cancer screening and smoking cessation counseling**



- Targeting underserved patient populations with lung cancer screening is of utmost importance
  - Levine Cancer Center Efforts
  - Sanja Percac-Lima MGH cancer prevention
- Note that lung cancer screening must have an effective smoking cessation program, and many current smokers are not able to quit the first time.
- If we are unable to broaden access to the most vulnerable then the screening program can exacerbate disparities.