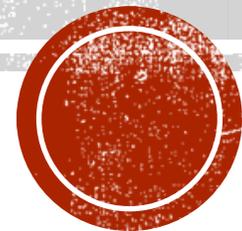


# **STOP HCC: HCV PREVENTION**

**Mamta K. Jain, MD,MPH**  
UT Southwestern Medical Center  
TeCH Annual Symposium  
October 17, 2020



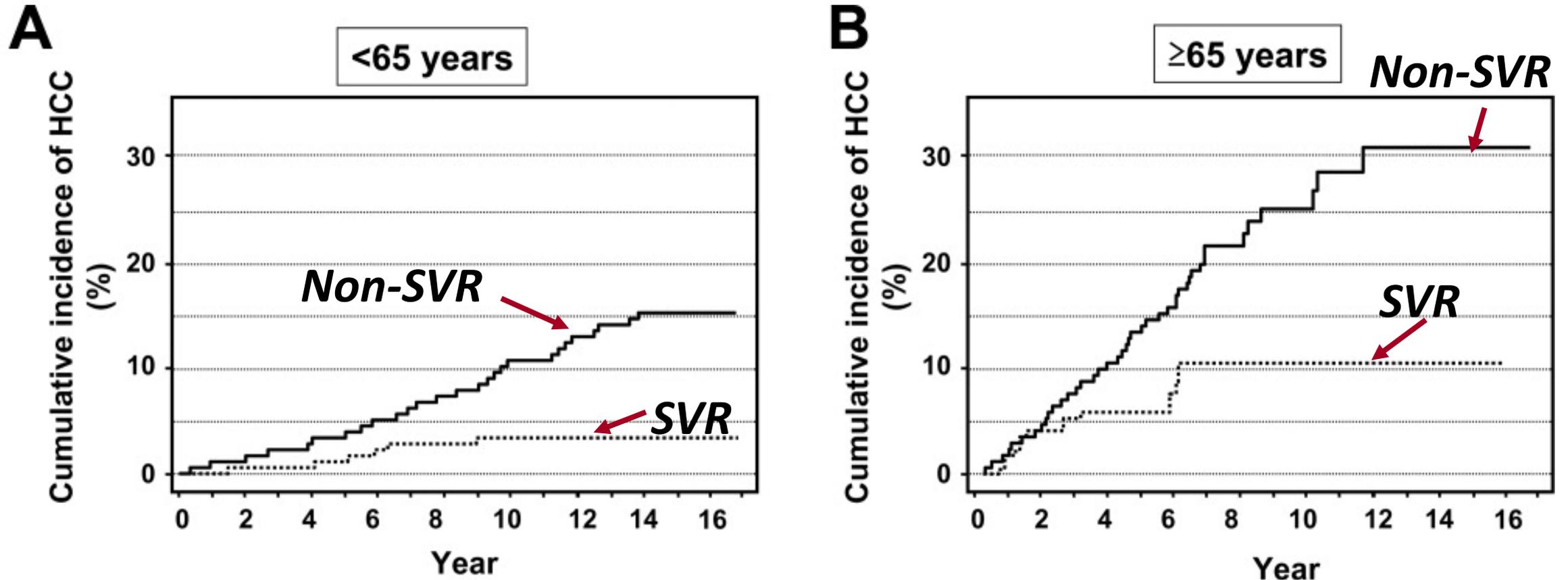
# DISCLOSURES

- Grant Funding
  - Gilead Sciences, Janssen, Merck
- Consultant/Advisory Board
  - Gilead Sciences



# Prevention:

## Curing HCV Reduces the Risk of HCC



For patients with cirrhosis, **continue screening** even after cured

Where do you start?



If you were born between 1945 and 1965, we will include the hepatitis C test with your other lab work. If you have questions or concerns, please talk with your nurse.

**Millones de Americanos tienen hepatitis C. La mayoría no lo saben.**

Si usted nació entre los años 1945 y 1965, incluiremos la prueba de detección de hepatitis C con el resto de sus análisis de laboratorio. Por favor dirijase a su enfermero(a) si tiene preguntas al respecto.



EARLY DETECTION CAN SAVE LIVES.  
DETECCIÓN TEMPRANA PUEDE SALVAR VIDAS.  
[www.cdc.gov/KnowMoreHepatitis](http://www.cdc.gov/KnowMoreHepatitis)



U.S. Department of  
Health and Human Services  
Centers for Disease  
Control and Prevention

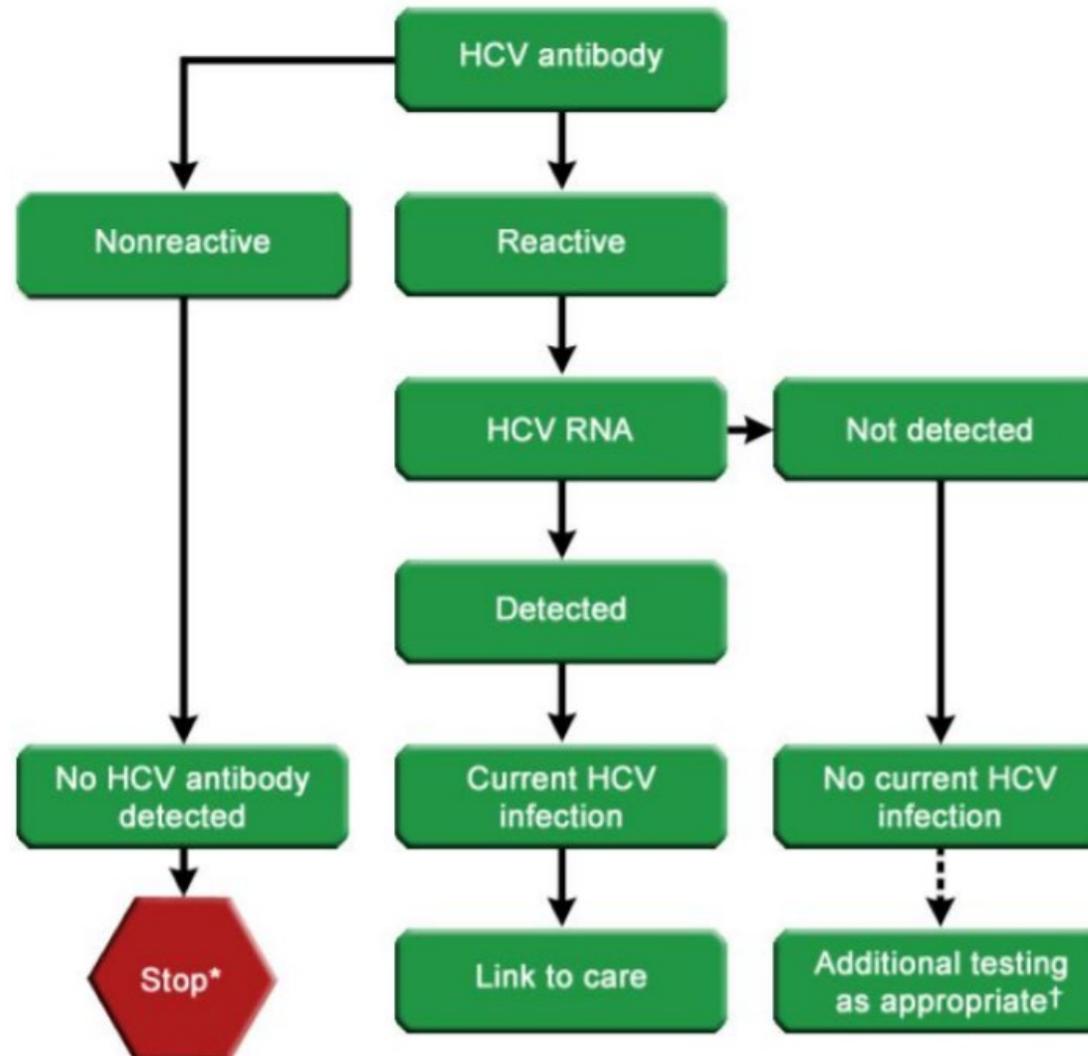


# HCV SCREENING RECOMMENDATIONS

- US Preventive Services Task Force (USPSTF) Guidelines - 2012
- One time screening of all baby boomers (born 1945 through 1965) for HCV infection (USPSTF Rating: Class I, Level B)
- **USPSTF March, 2020 recommendation update to screen all adults 18-79 (Level B)**



# ALGORITHM FOR HCV SCREENING



# EFFECTIVENESS OF HCV MEDICATIONS

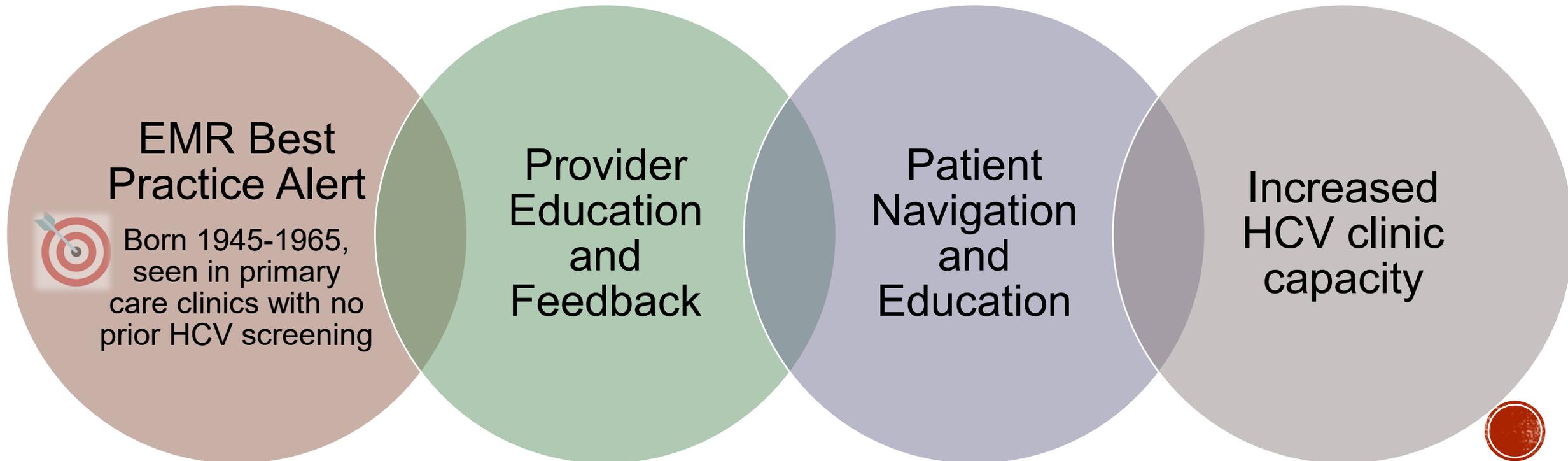
- Rate of cure for each regimen varies depending on
  - Genotype
  - Presence of cirrhosis
  - Prior treatment for HCV
- Most of these have >90% cure rate



# HCC PREVENTION BY INCREASING HCV SCREENING AND LINKAGE TO CARE

STOP-HCC (**S**creen **T**reat **O**r **P**revent **HCC**) program (CPRIT PP150079)

- HCV is most common cause of HCC in U.S. and in Texas
- We identified unscreened patients in the EMR and developed a multifaceted intervention



# HCV PROGRAM EDUCATION



Provider Education

**BORN FROM 1945 to 1965?**

**BABY BOOMERS HAVE THE HIGHEST RATES OF HEPATITIS C.**

Patient Education



# BEST PRACTICE ALERT AT PARKLAND

- BPA will trigger for:
  - Any person born between 1945-1965 with a primary clinic appointment who has not been tested for HCV.

⚠ Your patient is a baby boomer. Per USPSTF and CDC guidelines, they should be screened for Hepatitis C once in their lifetime. Click link [U.S Preventive Services Task Force OR Center For Disease Control and Prevention](#) for further information.

Acknowledge reason:

Add to unsigned orders: HEPATITIS C ANTIBODY

Accept



# OUR PROCESS

- Patient Navigator



Clinician



Nurse Navigator



Medication Access Specialist/Pharmacist

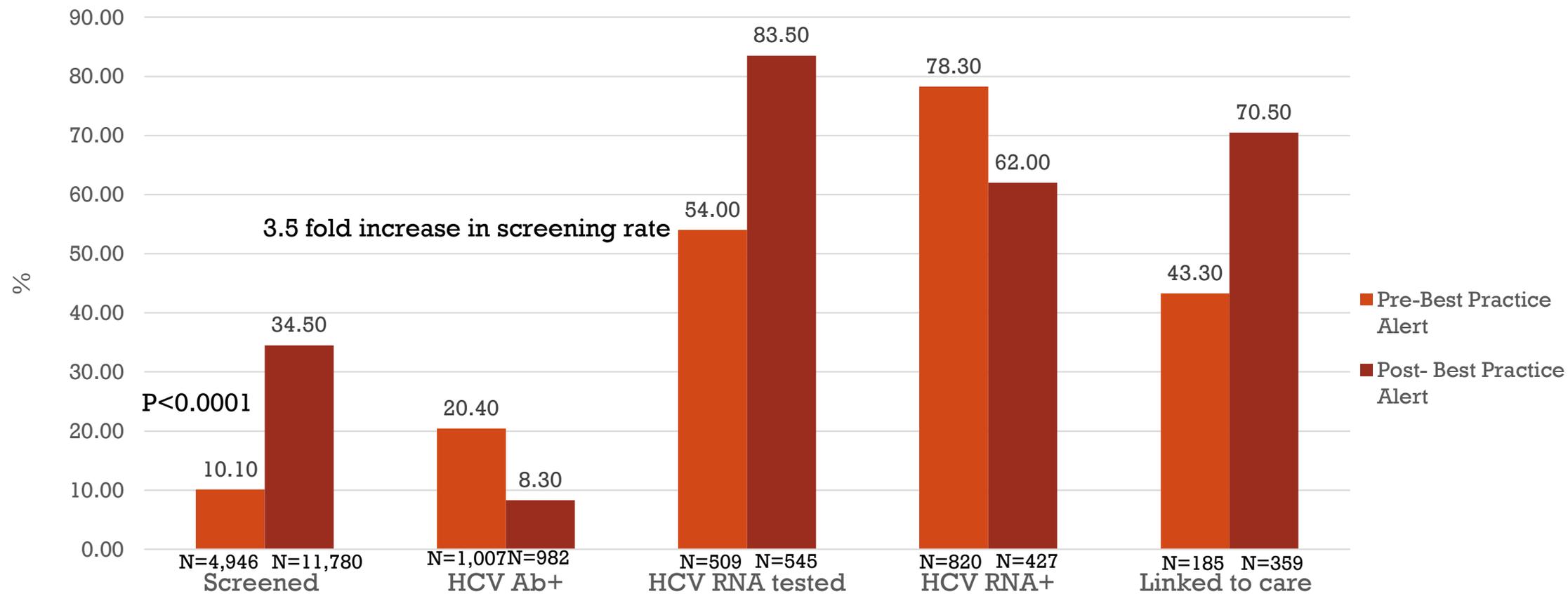


# MONUMENTAL COSTS OF HCV DRUGS

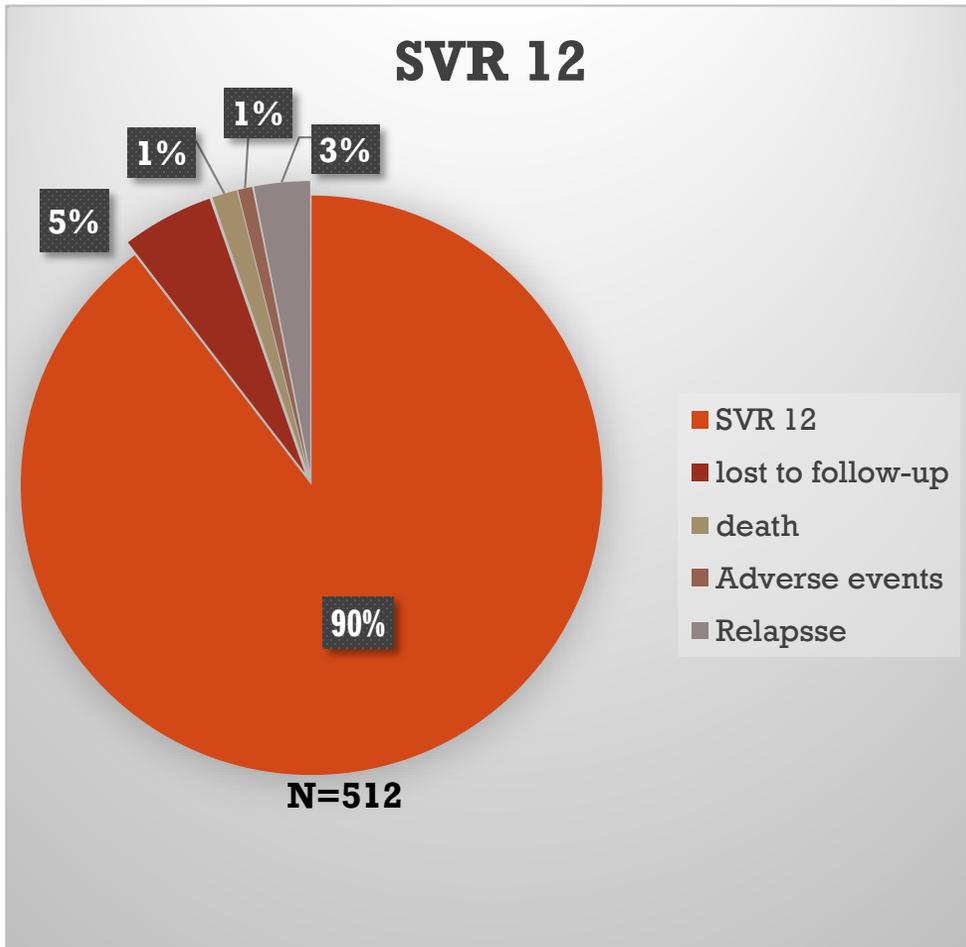
- Uninsured patients– medications obtained through Patient Assistance Program
- Insured patients– medications obtained through prior authorization/appeal process



# HCV SCREENING IN BABY BOOMERS: PRE AND POST BEST PRACTICE ALERT



# EFFECTIVENESS OF HCV MEDICATIONS

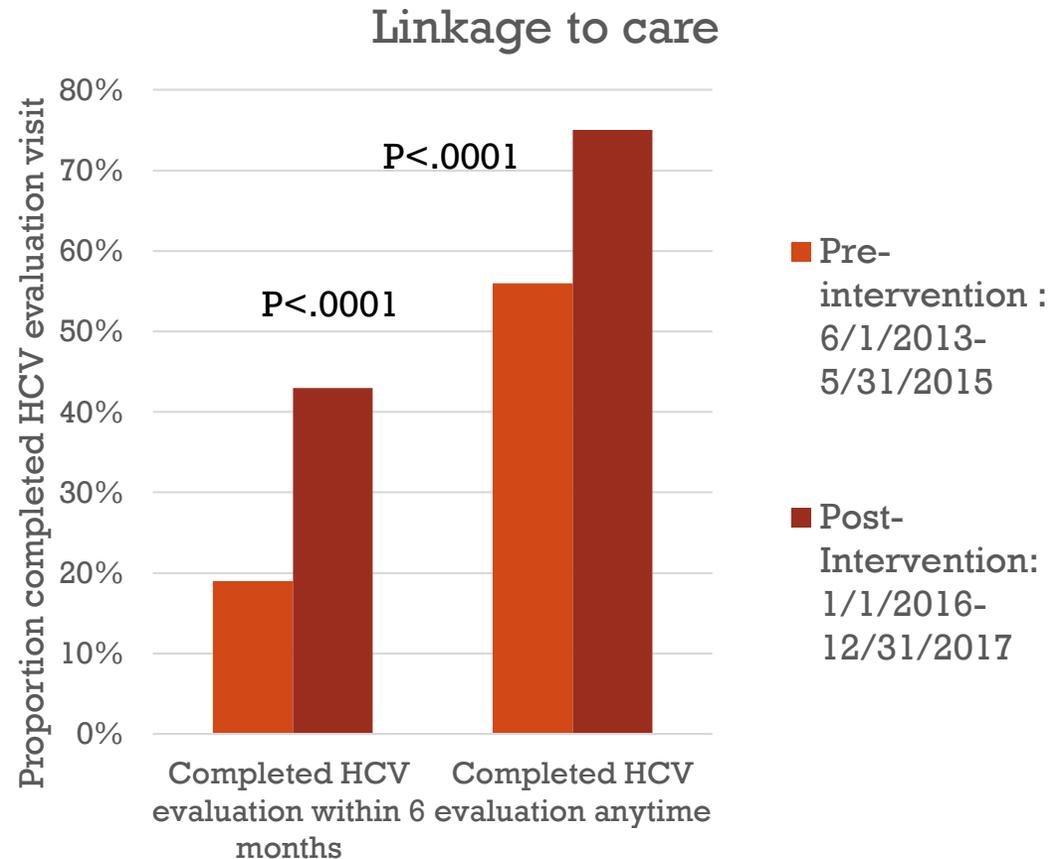


- Predictors of SVR 12
  - Presence of decompensated cirrhosis increased risk of treatment failure
    - OR 0.37, 95% CI: 0.16-0.85
- No differences in response by
  - Race/ethnicity minorities vs. whites
    - 91% vs. 87% , p=0.15
  - Insured vs. uninsured
    - 90% vs. 90%, p=0.98
  - Drug and Alcohol Use
    - 92% vs. 89%, p=0.34
  - HIV infection
    - 90% vs. 87%, p=0.51
  - Mental health disorders
    - 90% vs. 89%, p=0.57



# EFFECTIVENESS OF PATIENT NAVIGATION

- Implemented a patient navigation 1/1/2016.
- Allowed 3 months after HCV RNA+ for usual care referral & if not done navigation started.
- 1393 (805 pre- & 588 post): 63% Black, 61% male, 61% uninsured.
- No differences seen in proportion starting treatment of achieving SVR between the pre-intervention and post-intervention group



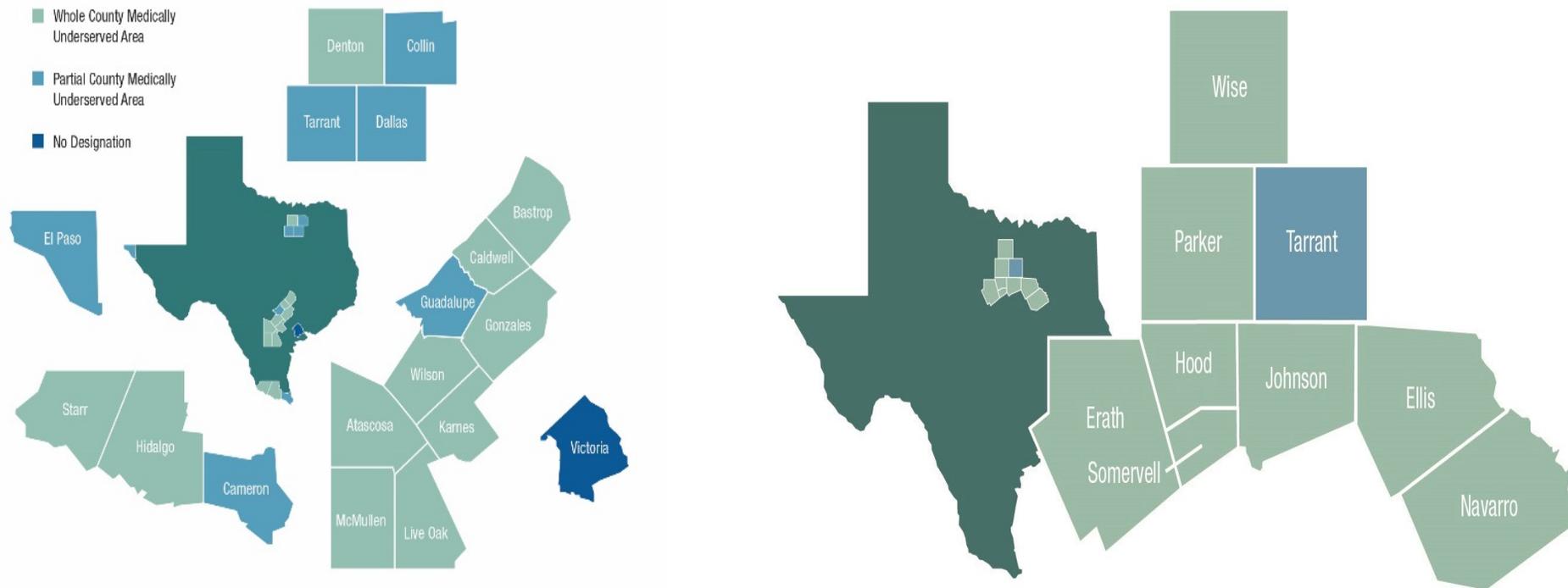
# SOUTH TEXAS FQHC



- **Train Primary Care providers**
  - Developed HCV slide sets
  - Educated providers in FQHCs
  - Re-trained as needed with new providers
- **Individual consultation with specialist to assist with treatment selection**
  - Survey with key HCV data completed by clinician
  - Phone discussion on treatment
- **Navigators helped with follow-up**
  - Obtaining ultrasound
  - Obtaining approval through patient assistance program



# WE ARE EXPANDING.....



# EXPANDING LOCATIONS AND PROGRAMS

- John Peter Smith has implemented a HCV alert under health maintenance and will be implementing navigation.
- El Paso has implemented an HCV alert under health maintenance and will implement a link to order HCV Ab with reflex RNA testing.
- We are using mobile van to screen patients in rural counties in North Texas through Moncrief Cancer Center
- We will expand our services to include hepatitis B vaccination through partnership with DFW Hepatitis B Free student organization



JPS Fort Worth



Tenet Health El Paso

# Community Outreach: Hepatitis B & C Testing

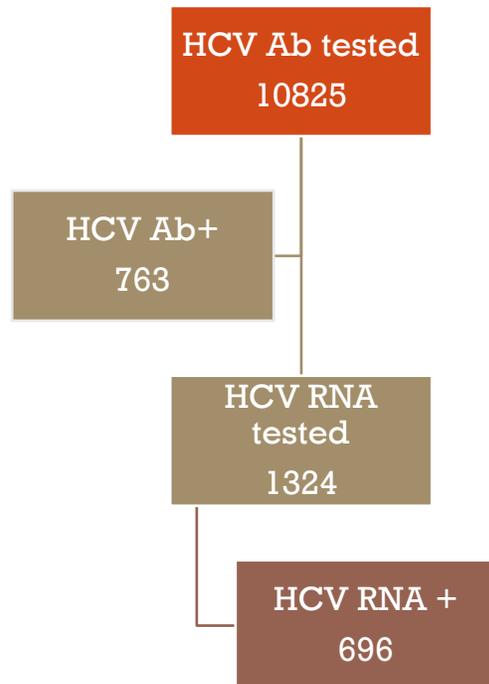


DFW Hepatitis B Free Organization

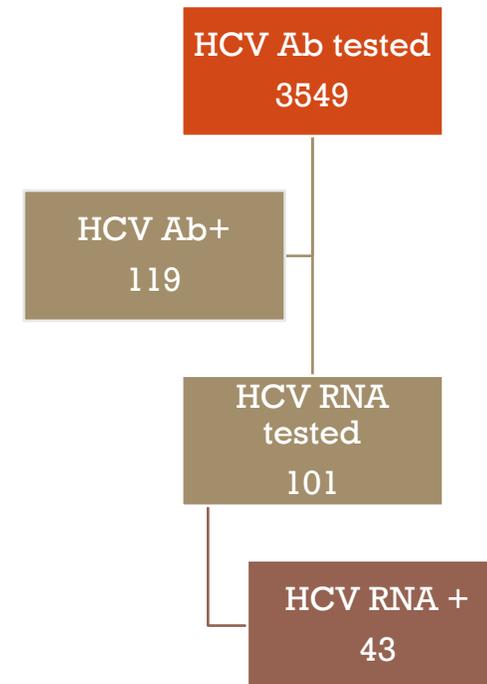


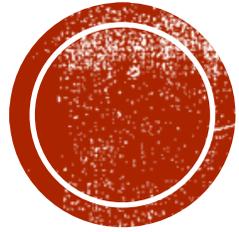
# CURRENT SCREENING NUMBERS DECEMBER 2018 TO PANDEMIC

## Dallas County



## South Texas





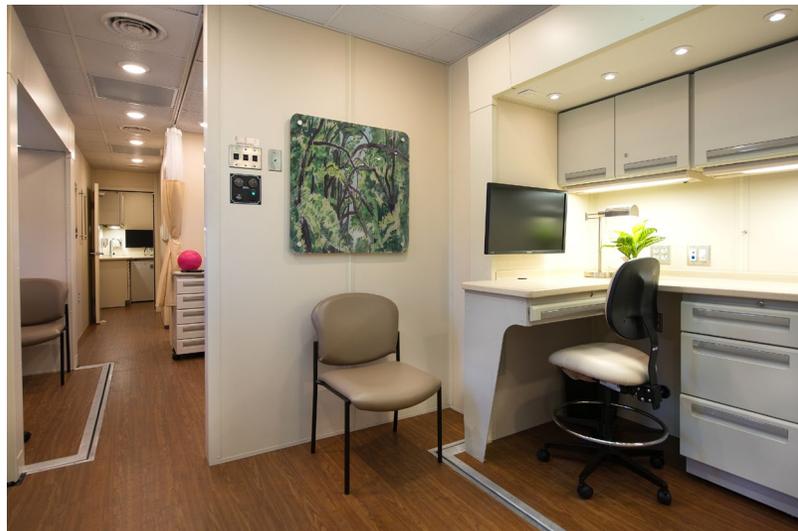
# ALTERNATIVE METHODS FOR SCREENING



# Mobile Van For Cancer Screening



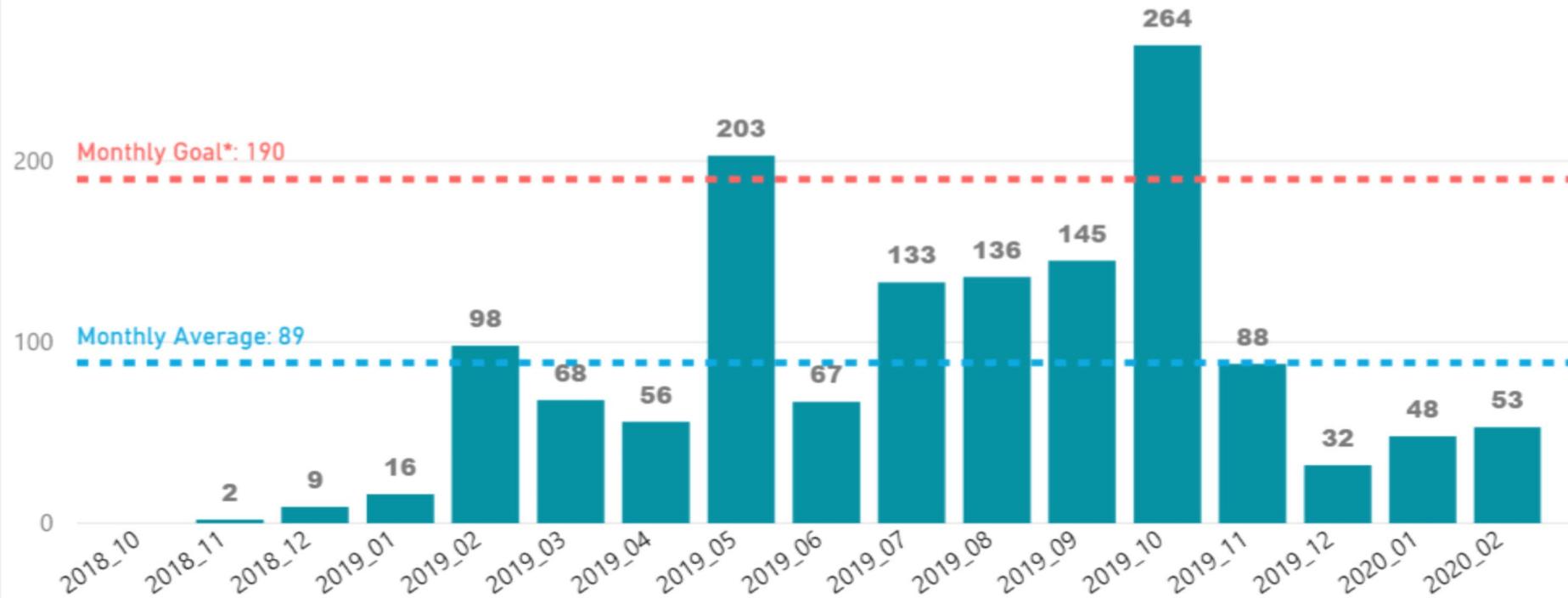
**UT Southwestern**  
Medical Center



# HCV SCREENING HEALTH FAIR



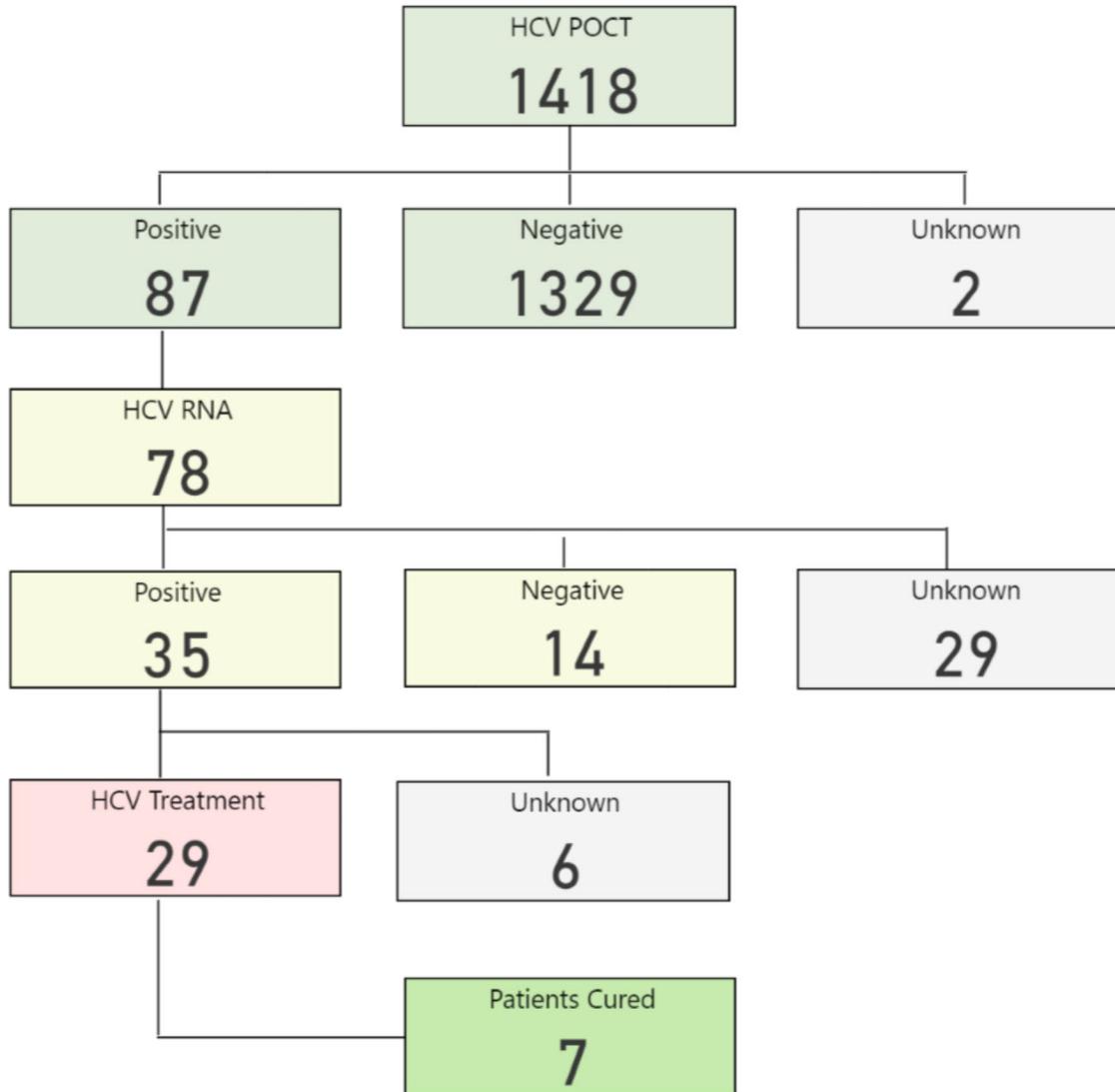
## Monthly Orders for Point of Care Test



\*POCT goal for 3 grant years is 6830 tests



## Clinical Flowchart

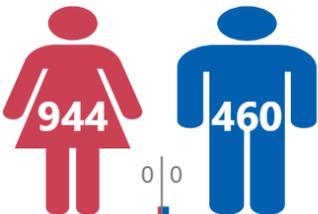


# HCV Program - Patient Demographics

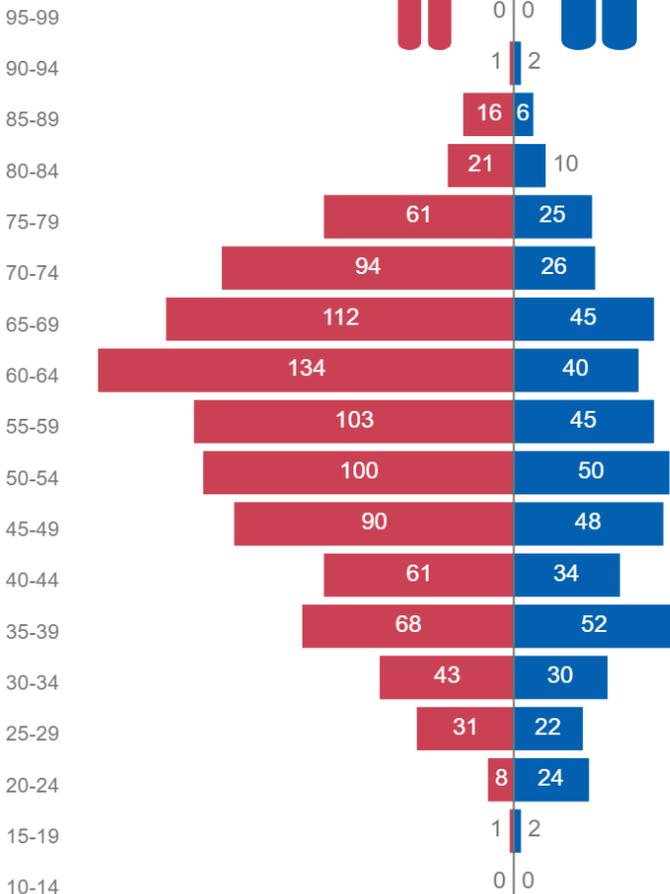
## Total Patients

1409

67%



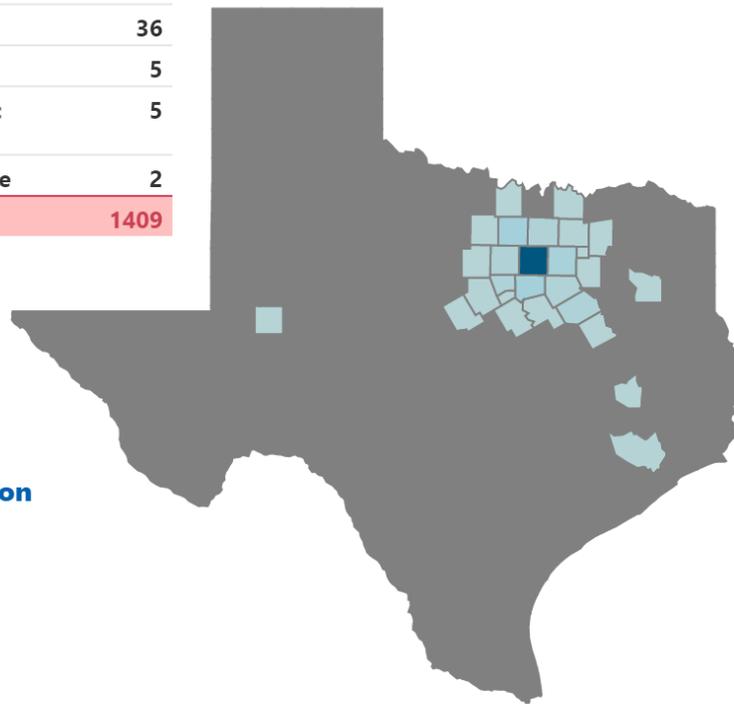
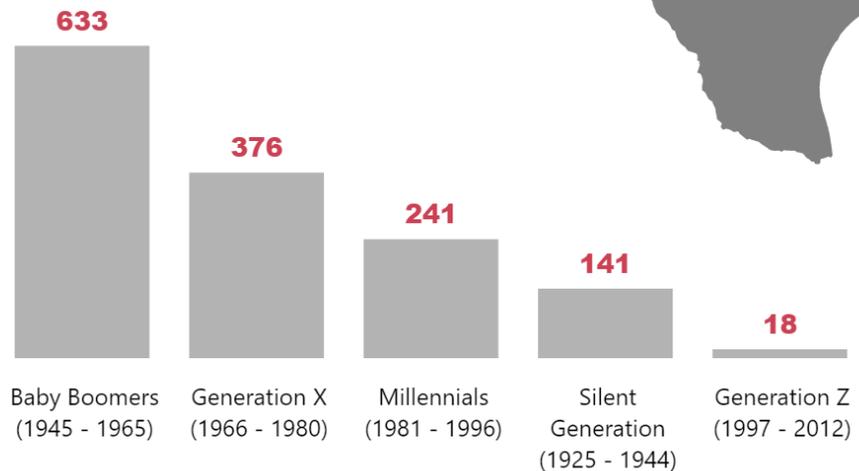
33%



Less than 1% of patients don't have their gender listed on EPIC, so the gender percentages may not always add up to be 100%

Patient Race	Patient Count
White	955
Unavailable/Unknown	186
Black or African American	165
Asian	55
Some other race	36
Declined	5
Native Hawaiian or Other Pacific Islander	5
American Indian or Alaska Native	2
<b>Total</b>	<b>1409</b>

### Patient Count by Generation



County	Patient Count
Tarrant	1039
Wise	74
Johnson	69
Dallas	56
Hood	34
Navarro	33
Denton	26
Parker	25
Ellis	20
Collin	3
Erath	3
Grayson	3
Harris	3
Bosque	2
Freestone	2
Hill	2
Comanche	1
Hunt	1
Jack	1
Kaufman	1
Midland	1
Montague	1
Palo Pinto	1
Rockwall	1
Smith	1
Somervell	1
Walker	1
<b>Total</b>	<b>1405</b>

4 Patients are non-Texas residents

# THE TEAM

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Sarah Zamarripa  
Aurelio Rodriguez  
LuAnn Snipes, RN  
Rachel Stewart, PA-C  
Melissa Accosta  
Rohit Ojha, PhD



# THANK YOU FOR YOUR ATTENTION!



CANCER PREVENTION & RESEARCH  
INSTITUTE OF TEXAS

