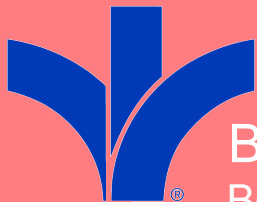


UNIVERSAL SCREENING FOR HCV

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Bon Secours Liver Institute of Virginia
Bon Secours Medical Group

Good Help to Those in Need ®

CHRONIC HCV

GOAL OF SCREENING

- Primary:
 - Identify persons with chronic HCV
 - Confirm infection in persons who screen positive
- Secondary:
 - Evaluate persons with HCV infection for treatment
 - Initiate treatment of HCV
 - Document response to treatment
 - Prevent reinfection



CHRONIC HCV

TYPES OF SCREENING PROGRAMS

Risk Factor Screening

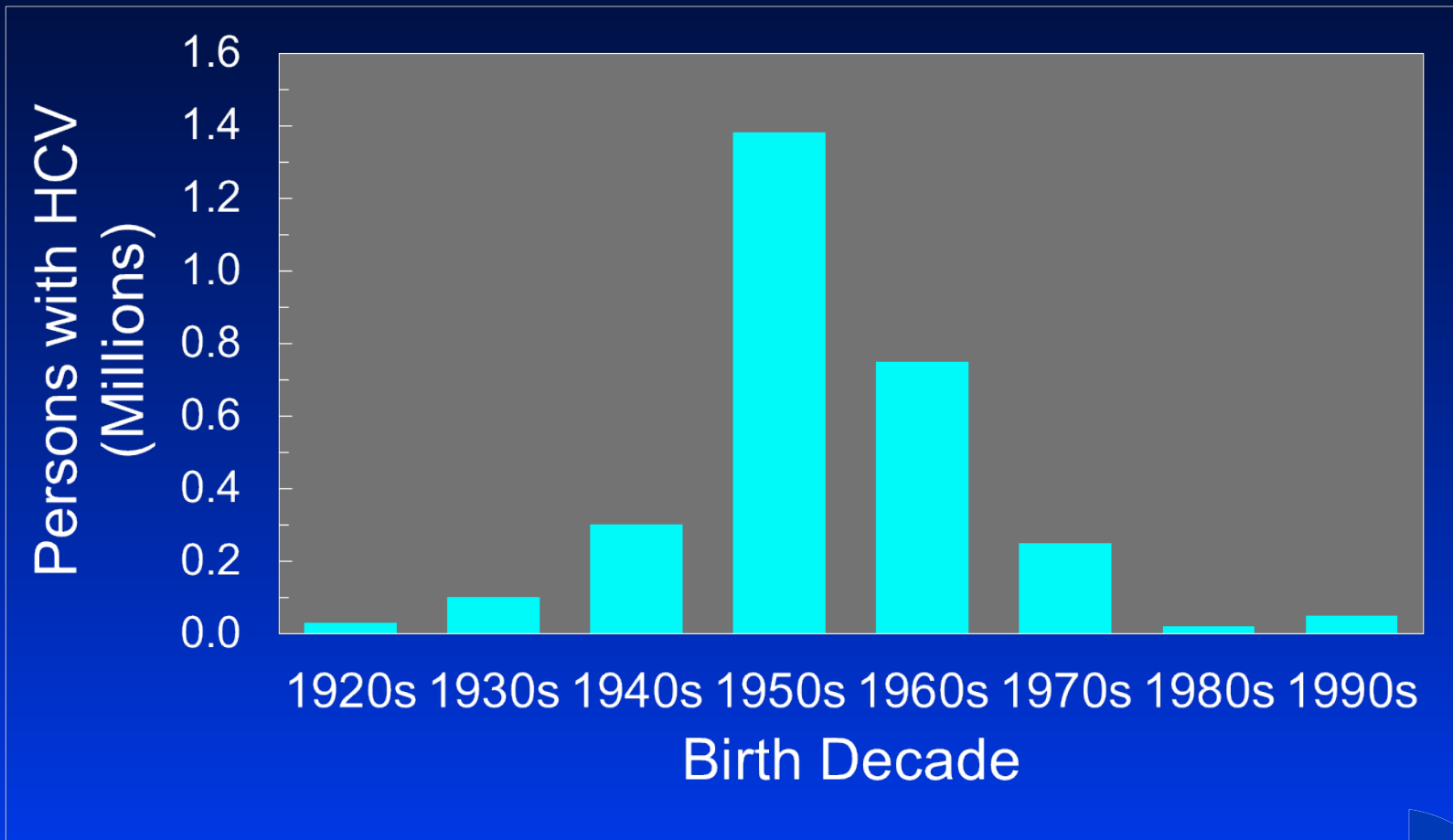
- Requires special staff
- Physicians don't ask
- Patients don't tell
- Highest yield per screen
- Identifies fewest patients

Cohort Based Screening

- Define cohort
- Birth years 1945-1965
- Highest disease prevalence
- Lower yield per screen
- Miss those outside cohort



CHRONIC HCV BIRTH COHORT SCREENING



BD Smith et al.

Am J Public Health 2014; 104:474-481.



CHRONIC HCV SCREENING RECOMMENDATIONS

Center for Disease Control

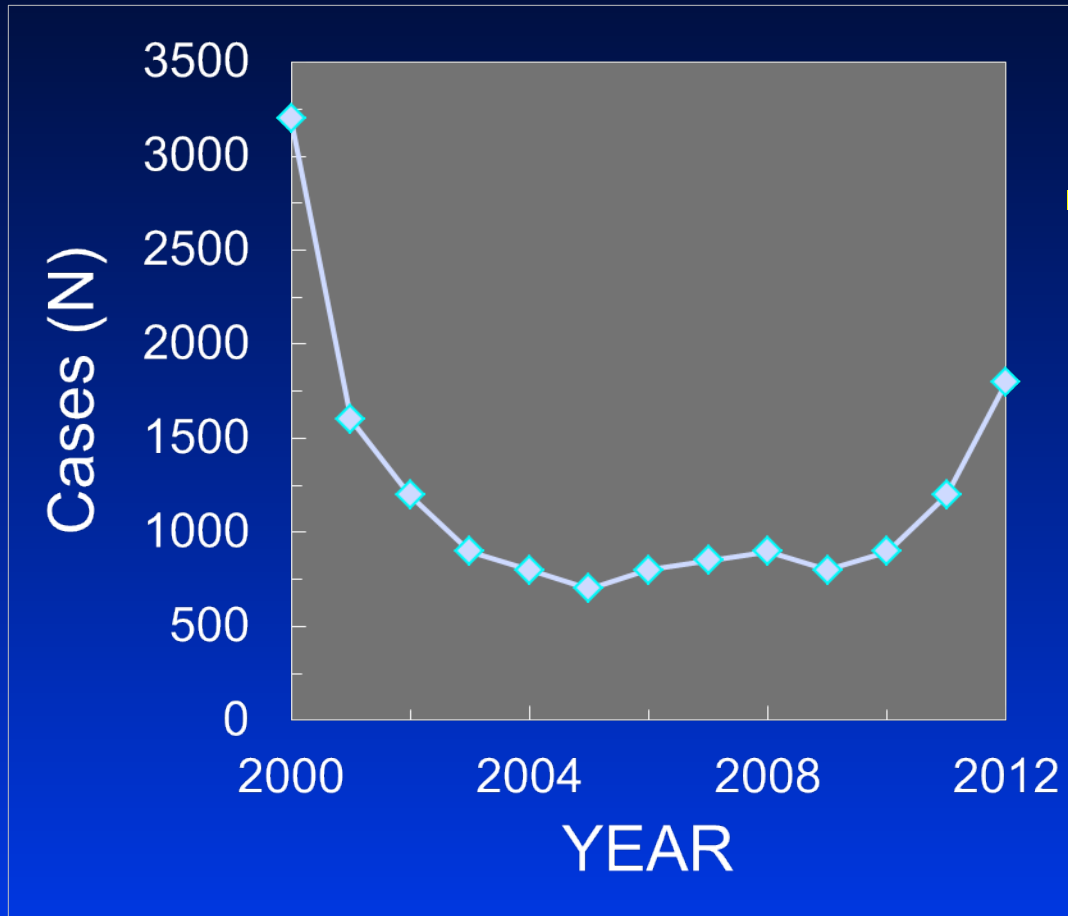
- All adults born from 1945-1965 should receive one time screening for HCV
- If HCV positive:
 - Alcohol screening and intervention
 - Referral for appropriate HCV care

US Preventative Services Task Force

- The following persons should be screened for HCV:
 - Persons at high risk for HCV infection
 - Persons born from 1945-1965



ACUTE HCV INCREASING INCIDENCE SINCE 2010

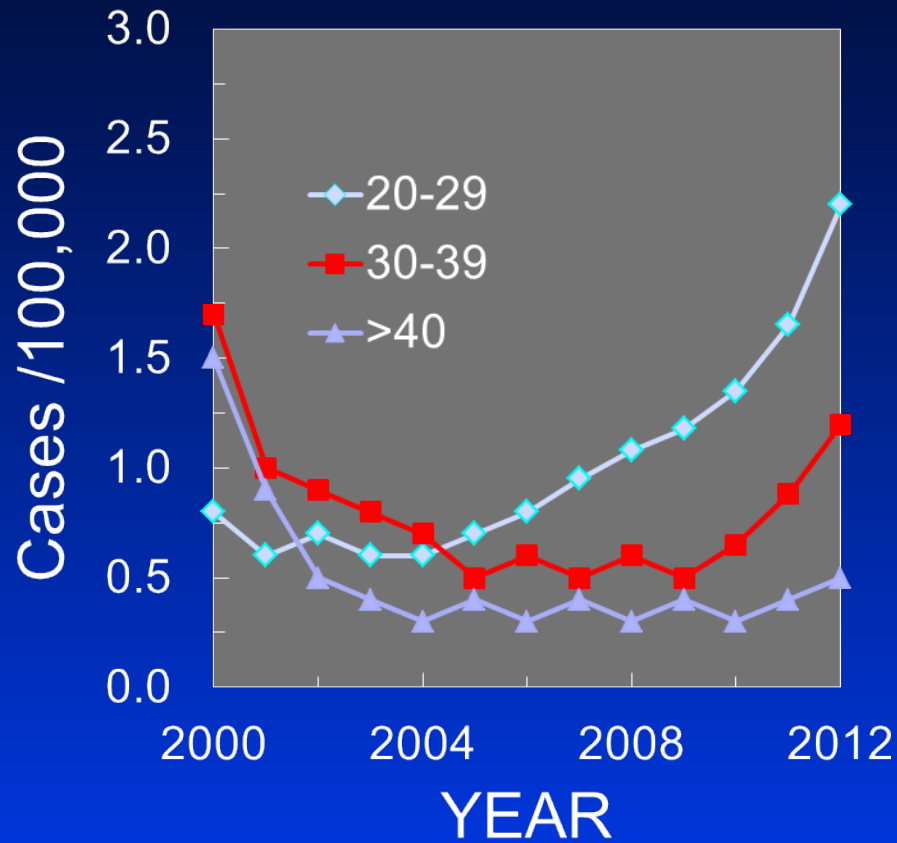


- The increasing incidence of acute HCV is due to a resurgence of IV drug use which is most commonly seen in young persons between the ages of 20-39 years



ACUTE HCV

RISING RATE IN YOUNG ADULTS

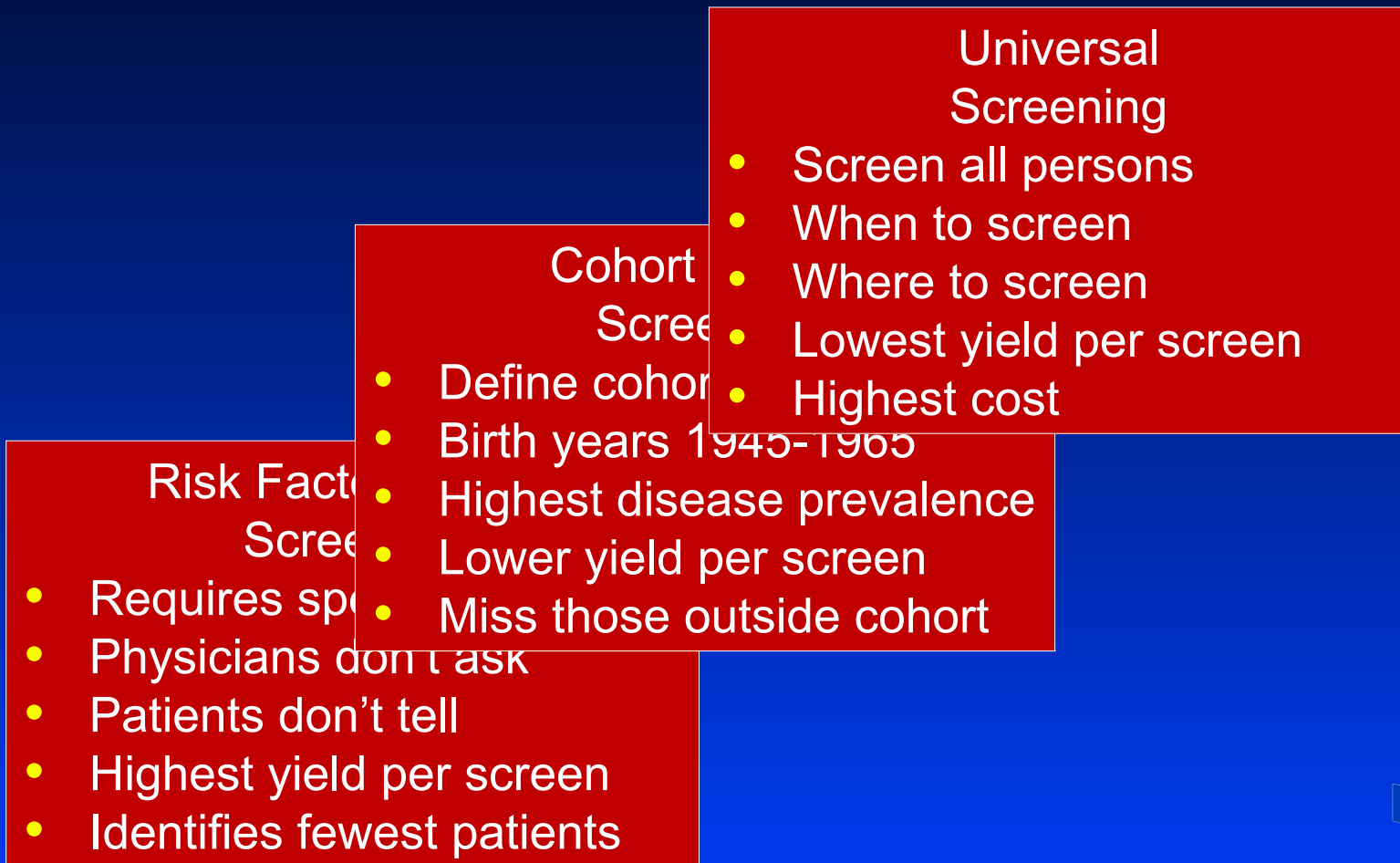


- Age cohort based screening would exclude those patients with the highest prevalence today.
- Age range 20-39 years
- Birth years 1975-1995



CHRONIC HCV

TYPES OF SCREENING PROGRAMS



UNIVERSAL SCREENING

HOW DO WE DO THIS?

- When to screen
 - 30th birthday?
 - On a persons birthday?
 - Mass screening for all on a set day?
- Where to screen
 - Screening station?
 - Medical establishment?
- Excluded from screening
 - Age cut-off?
 - Health cut-off?
- Mandatory vs Voluntary



HCV SCREENING

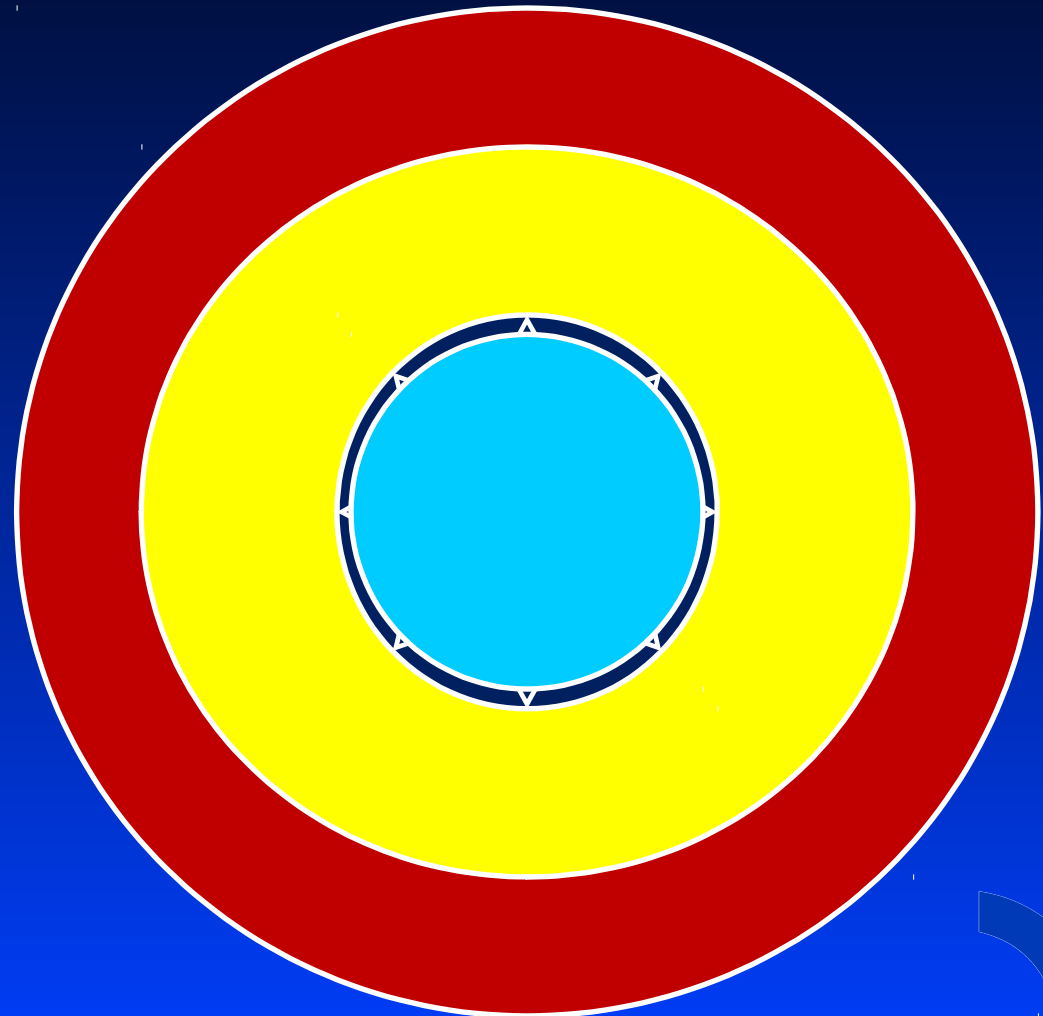
WHAT IS THE RIGHT TARGET



- Universal screening is the eventual goal
- But impractical to accomplish in a limited period of time
- Birth cohort screening combined with Targeted screening of:
 - Intravenous drug users
 - HIV infection
 - ESRD entering dialysis
 - Incarceration
 - Immigrants from high risk areas



THE REAL PROBLEM LINKAGE TO TREATMENT



THE REAL PROBLEM LINKAGE TO TREATMENT

HCV Pool
~3.2 Million

↓

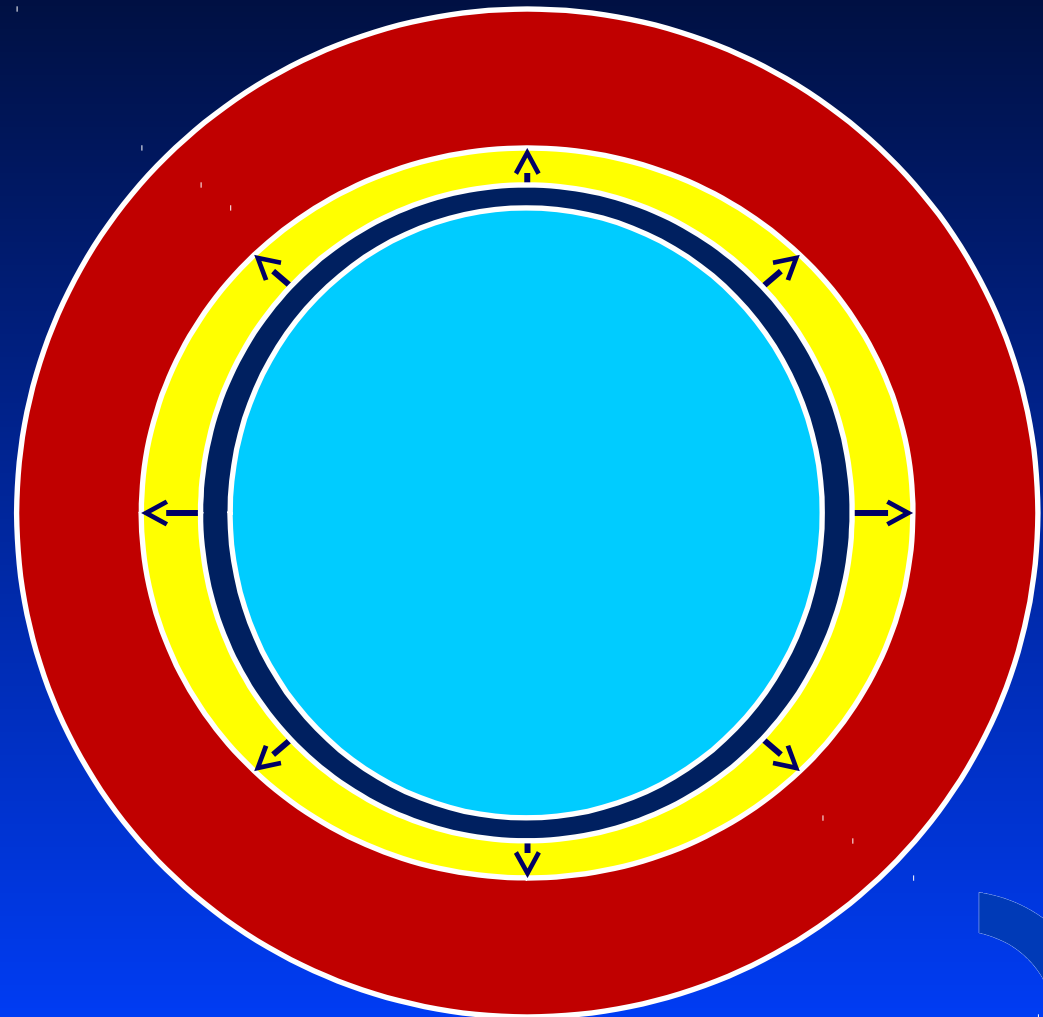
Detected: 50%

↓

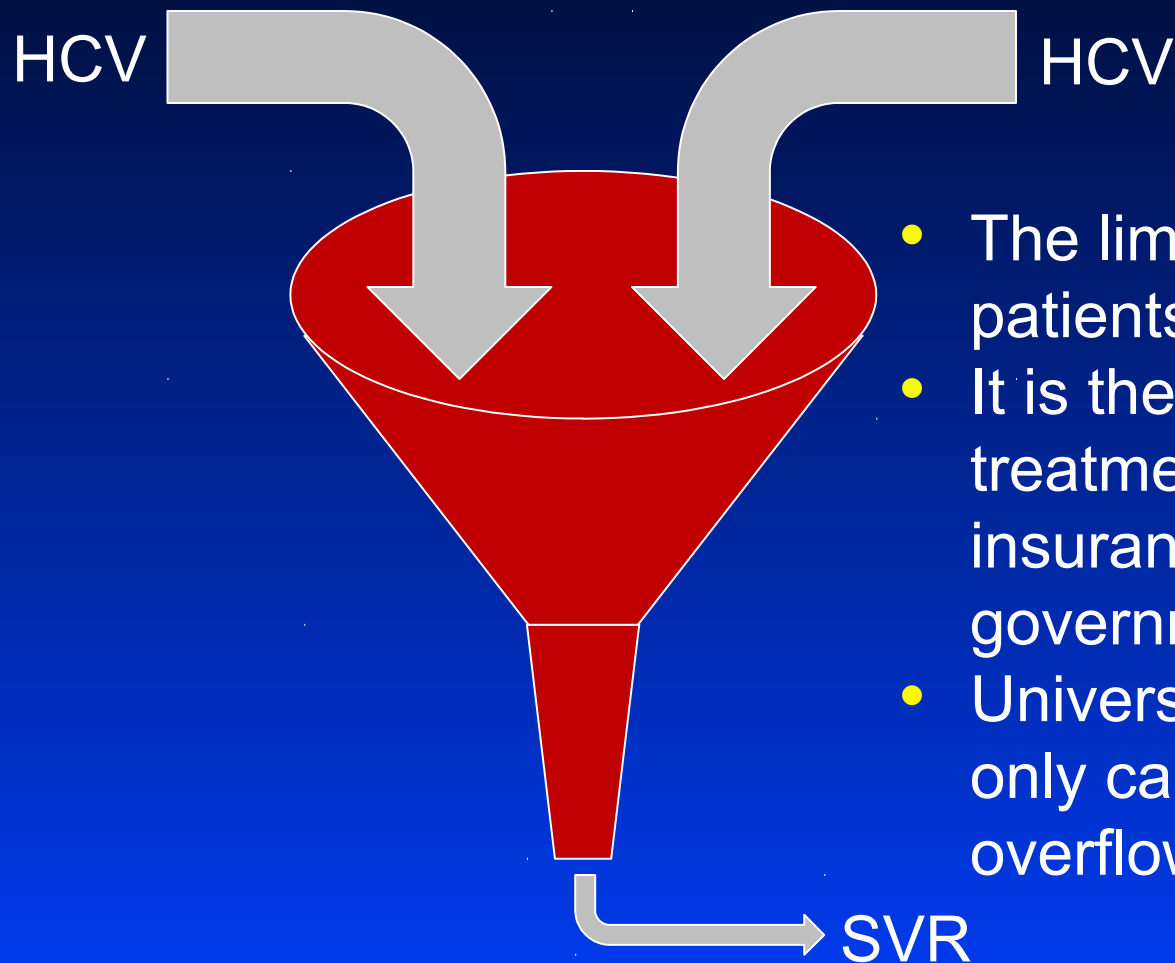
Treated: 40%

↓

SVR: 37%



UNIVERSAL SCREENING THE REAL LIMITS TO TREATMENT



- The limitation is not HCV patients who need treatment.
- It is the restrictions to treatment imposed by insurance carriers and many government health agencies.
- Universal screening would only cause the funnel to overflow.



UNIVERSAL SCREENING FOR HCV CO-MORBIDITIES

- Allows for identification of co-morbidities even when HCV cannot be treated.
- Enhance fibrosis progression
- Limit fibrosis regression after SVR
- HIV - Should be evaluated and treated
- HBV
- Alcohol: “safe” alcohol intake before and after SVR?
- NAFL:
 - Consider when features of metabolic syndrome present
 - Consider liver biopsy if liver transaminases remain elevated after SVR



PATIENTS IN WHOM HCV TREATMENT SHOULD/MAY NOT BE CONSIDERED

- Acute HCV
 - 15-20% spontaneous resolution
 - Treat if develop chronic disease
- Life limiting co-morbidities and mild hepatic fibrosis
- Active intravenous drug users with no plans to curb these activities:
 - Risk of reinfection 5-10% annually
 - Risk of death from drug use 1.7% annually
 - These patients have 2 severe diseases:
 - HCV
 - Drug addiction



UNIVERSAL SCREENING SUMMARY

Universal screening for HCV

Is not as easy as 1, 2, 3

Testing every man, women and child

May take awhile

And if negative do we ever check again

And if so why and when

What screening does due for all

Is allow us to address another ball

Be it NAFLD or alcohol



UNIVERSAL SCREENING SUMMARY

For years we screened those with risky behaviors
Then age based screening became the savior

But is identifying more patients really the issue

Half the patients we already know

And they are more than eager to join the show

But they cannot get treated without some dough

Because those DAMN payers are still saying NO



UNIVERSAL SCREENING SUMMARY

So until the payers have less to fear
All we can do is lend an ear
Maybe things will be better in the coming year
When are options grow with Zepatier

