

# EMR MODIFICATIONS FOR HCV TESTING

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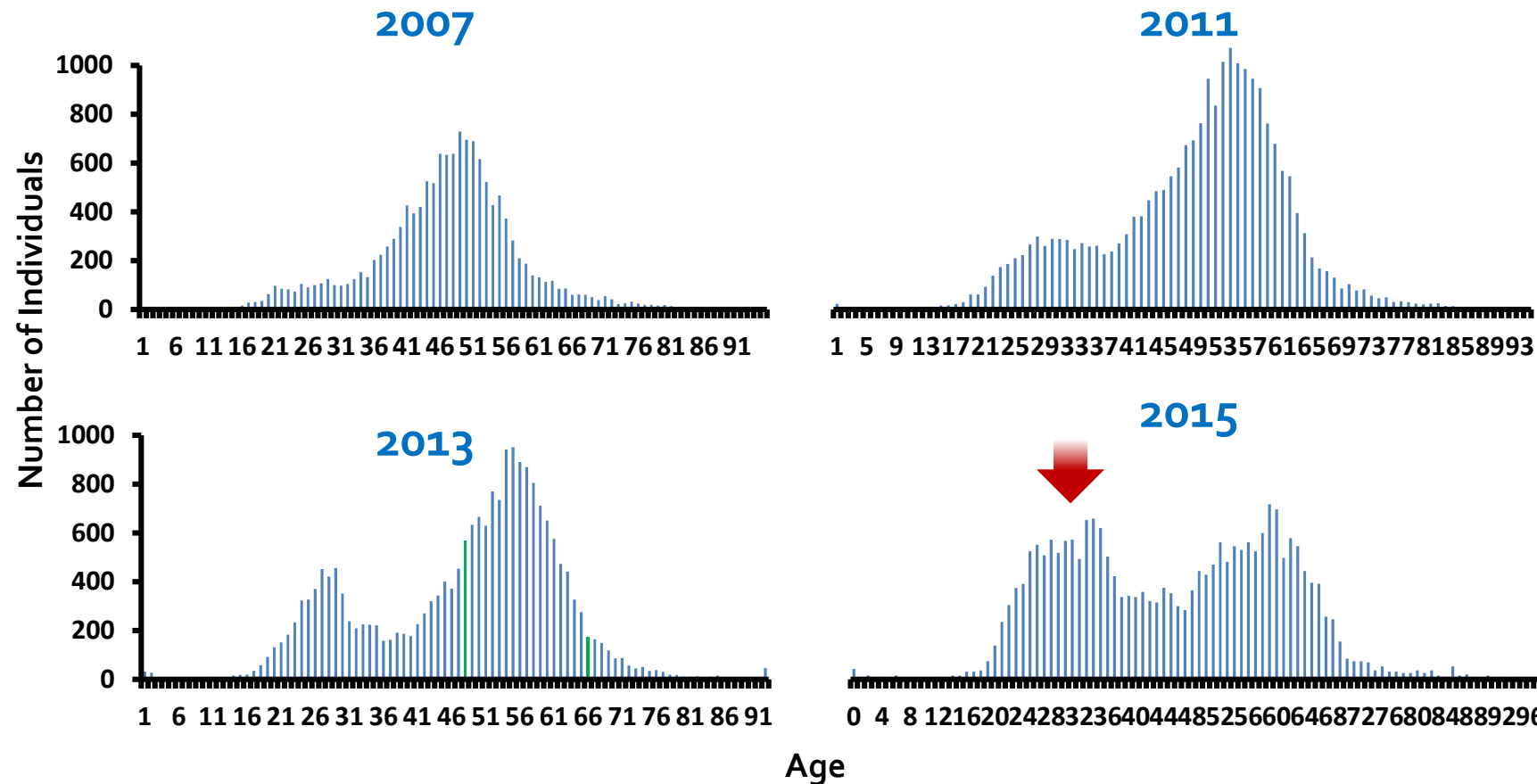
Perelman School of Medicine, University of Pennsylvania



# CDC Recommendations for HCV testing

- Birth Cohort based screening
  - All individuals born between 1945 and 1965 should be tested at least once for HCV
  - All individuals outside of this cohort with a HCV risk factor should be screened
  - Cost-effective
  - 1-time cohort screening would identify about **86%** of undiagnosed cases, compared with **21%** with risk-based screening
- US Preventive Services Task Force: Grade B recommendation

# Shifting HCV Demographics in Philadelphia

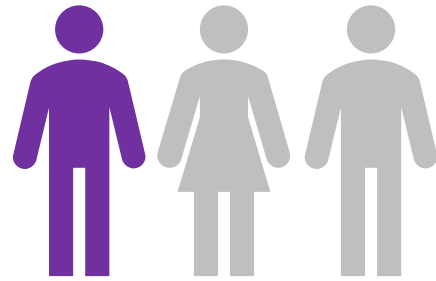


Data courtesy of Kendra Viner, PhD. Philadelphia Department of Public Health.

# A Syndemic

## *HCV Infection Is a Serious Health Consequence of Injection-Drug Use*

- HCV antibody prevalence among people who inject drugs is estimated to be 70% to 77%

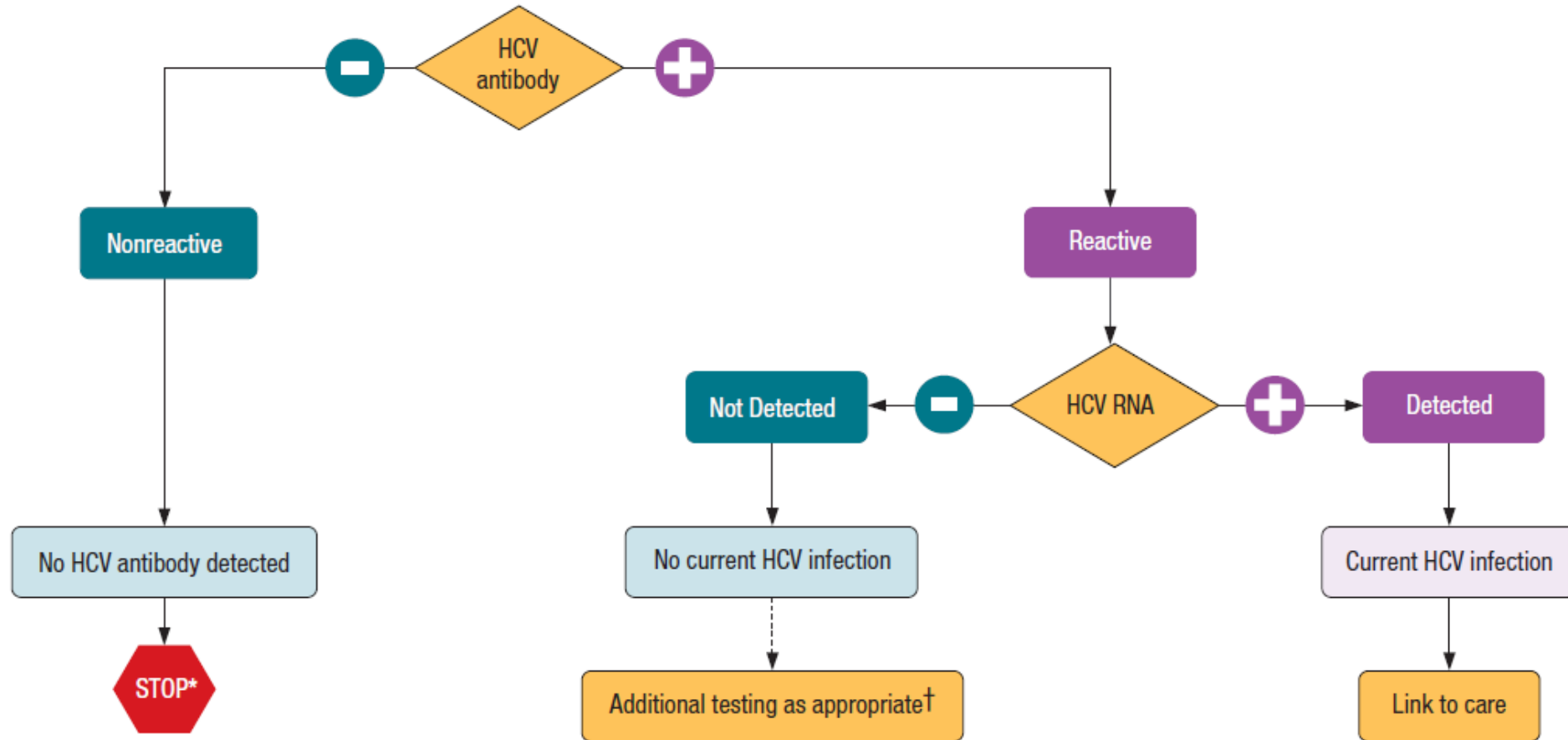


**1** of **3** people who inject drugs  
acquires HCV infection in their  
first year of injecting



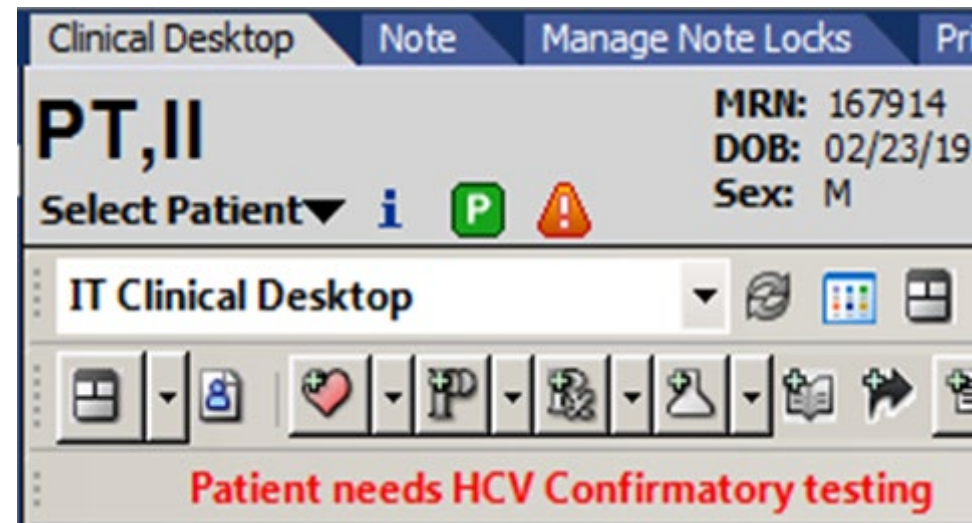
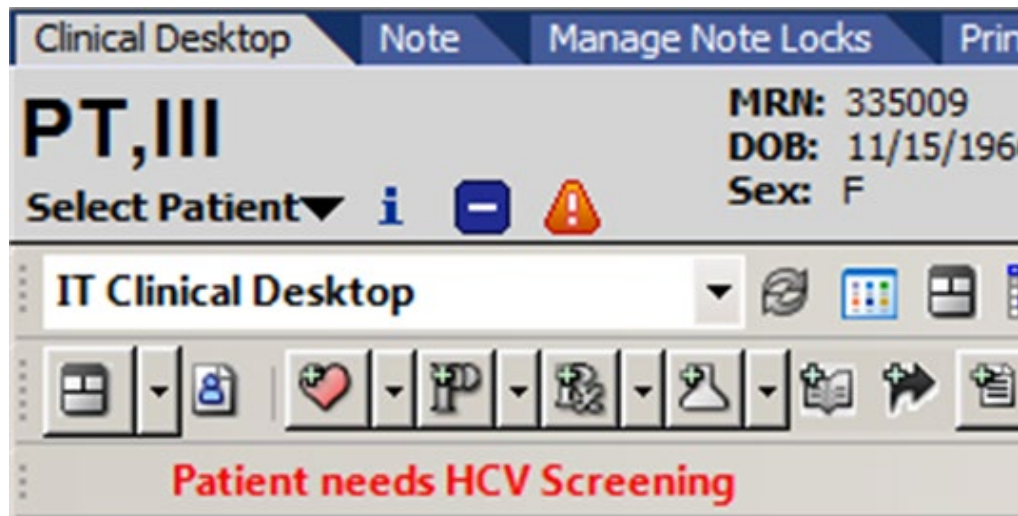
**45% to 85%** of individuals  
chronically infected with HCV are  
unaware of their status

# Recommended testing sequence for identifying HCV infection

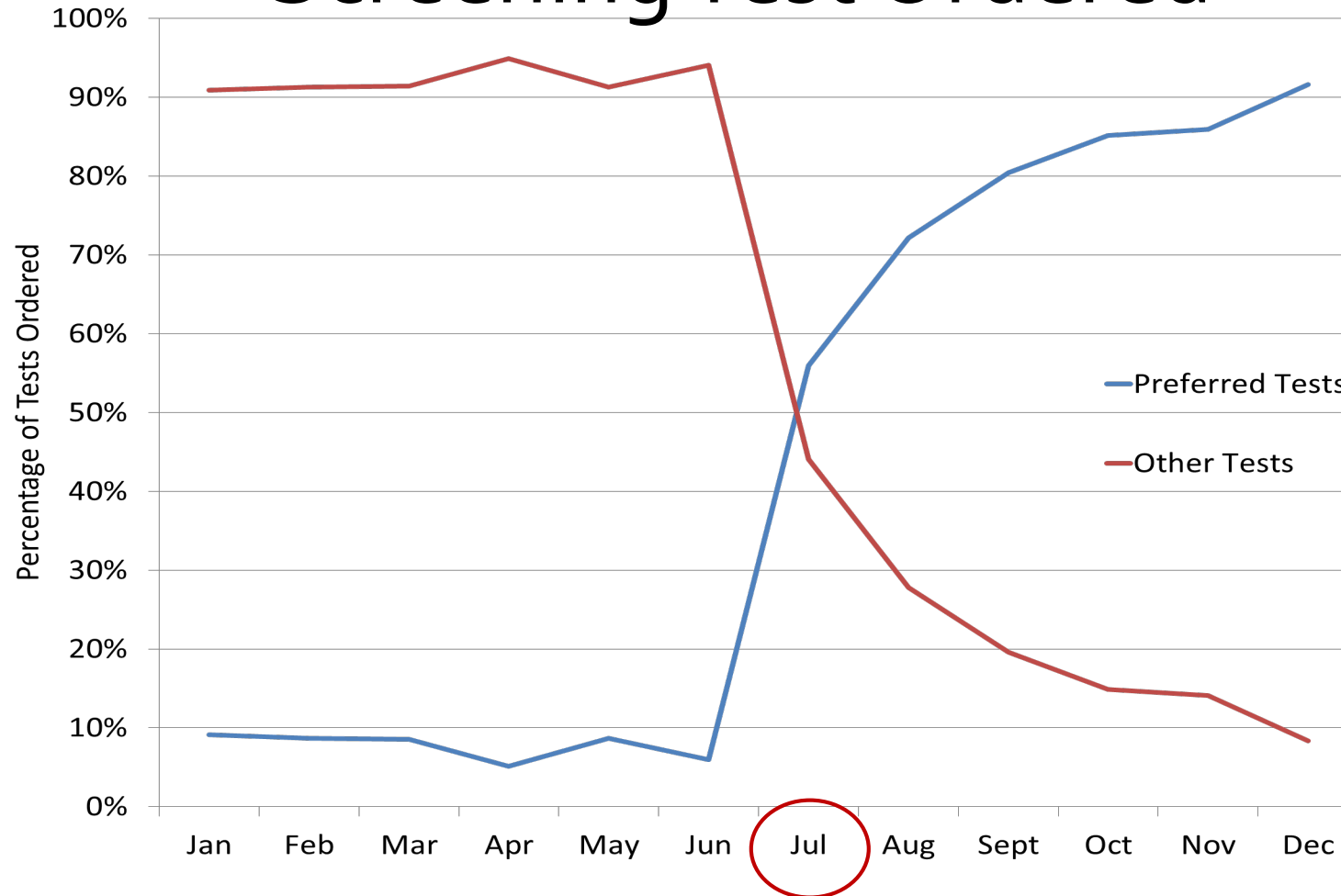


# Strategies for enhanced HCV testing in the university based primary care clinic

- EMR modifications
- Integration into clinic work flow
- Antibody with Reflexive confirmatory testing only

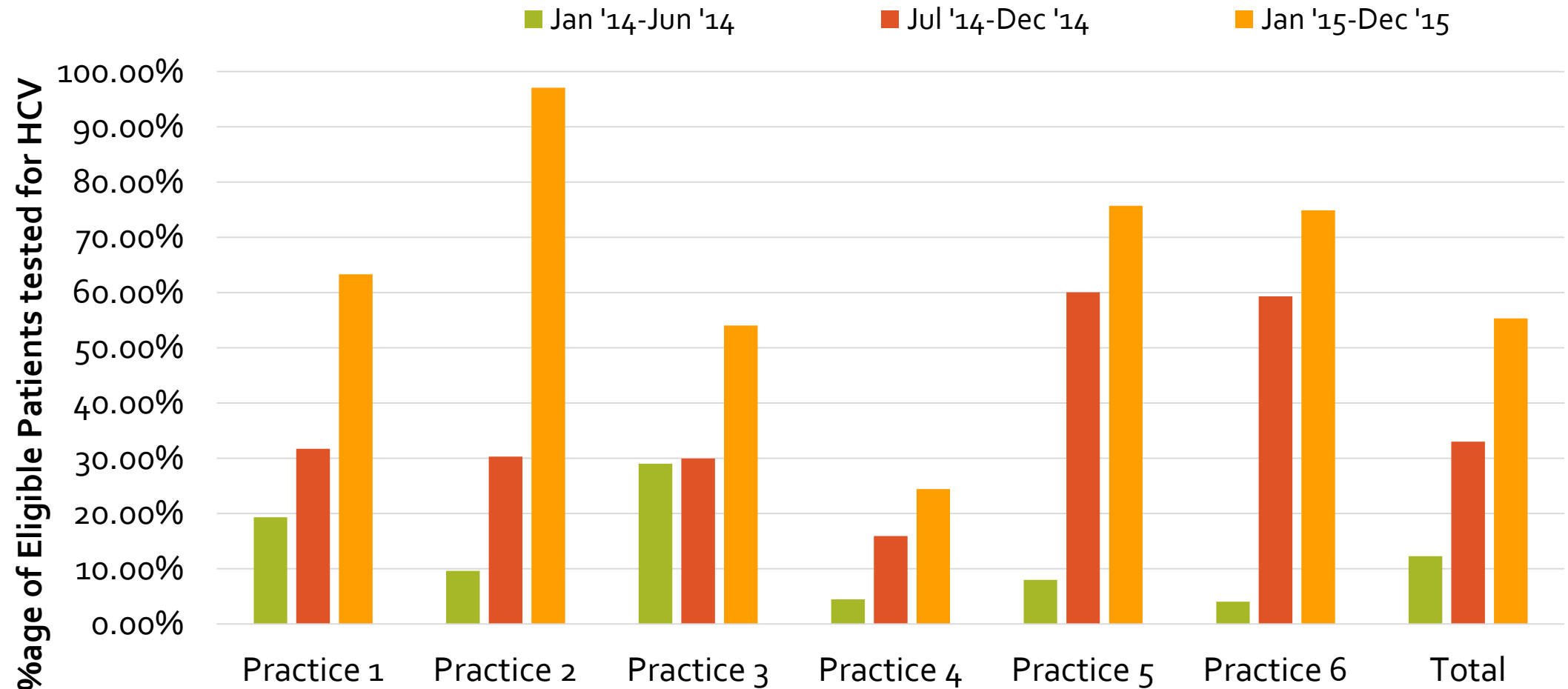


# Impact of HCV Testing Prompts on Type of HCV Screening Test Ordered



Trooskin et al, unpublished data

# Impact of EMR prompts on percentage of eligible baby boomers tested for HCV in a university primary care setting

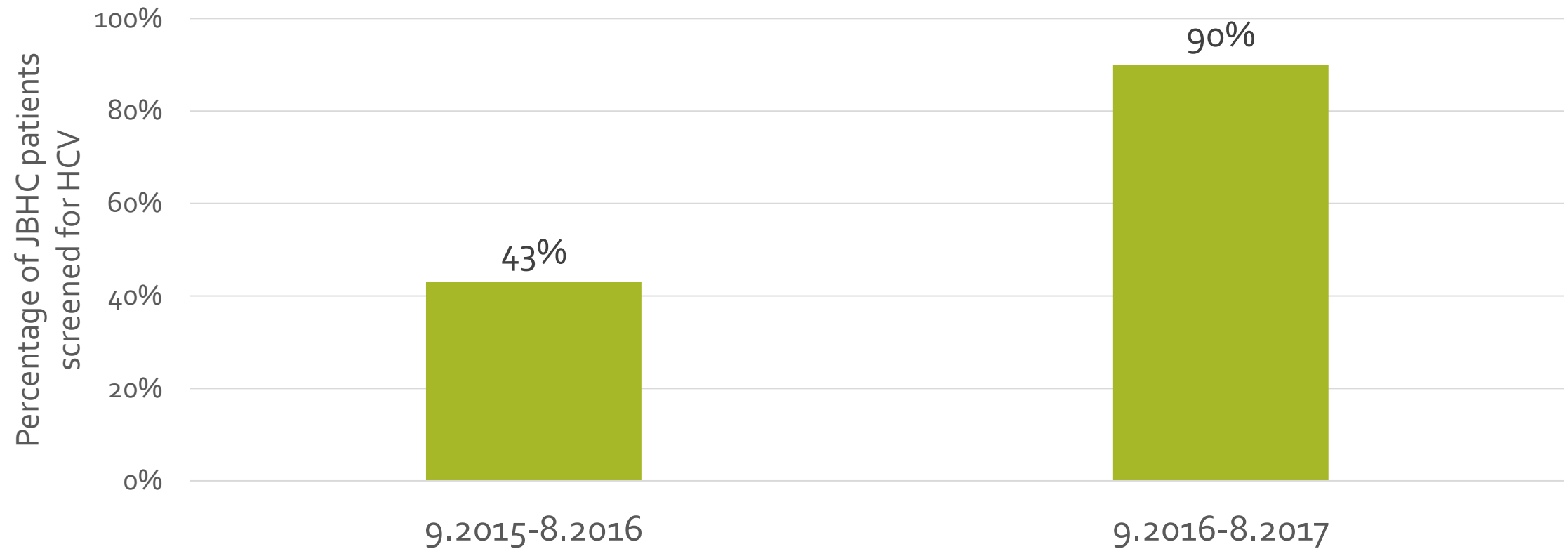


\*EMR prompts added July 2014

Trooskin et al, unpublished data

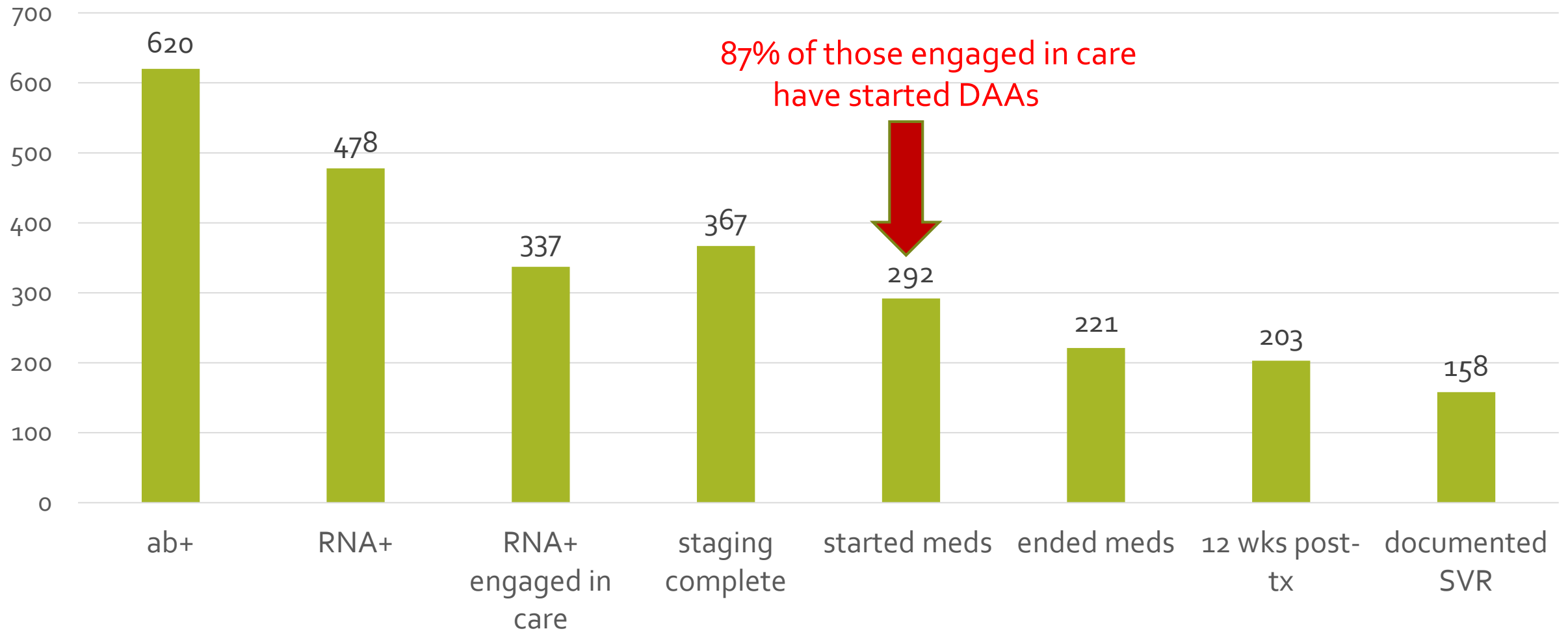


# The impact of provider education and EMR modifications on HCV testing rates at Philadelphia FIGHT FQHC



\*provider education began in September 2016 and the EMR prompts went live in December 2016

# JBHC clinical care cascade 9.1.2016-3.31.2019



"engaged in care" refers to all RNA+ patients who have been seen at the JBHC at least 3 times

# Integrating HCV Testing into primary care: Lessons Learned

- PCPs are busy! Testing has to be easy and meaningful
  - Eliminate outdated or less useful tests from testing menus
  - The more that testing can be automated, the better
    - Create ordersets
    - Prepopulate progress notes
- Educate the providers and their staff & provide two way feedback
- Get to know your IT staff
  - Learn what your EMR can and cannot do
  - Implementation is iterative, quality control is ongoing