

PUBLIC HEALTH

Rates of Hepatitis C Virus Testing Among United States Veterans in Department of Veterans Affairs Care, 2011

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BACKGROUND

■ In August 2012, the Centers for Disease Control and Prevention (CDC) augmented its recommendations for hepatitis C virus (HCV) testing. ¹ CDC recommended:

"one-time testing without prior ascertainment of HCV risk for persons born during 1945-1965, a population with a disproportionately high prevalence of HCV infection and related disease."

- Historically, the policy for HCV testing in the Department of Veterans Affiars was based on assessing for exposure risk consistent with previous CDC recommendations.
- We sought to assess the extent to which Veterans in recent VA care—particularly those Veterans born between 1945 and 1965—have been tested for HCV.

METHODS

Data Source:

- VA Corporate Data Warehouse (CDW) which includes birth dates, sex, race, ethnicity and VA laboratory tests for Veterans who have received VA
- VA laboratory data in CDW from 1 October 1999 through 31 December 2011

Veterans with at least one VA oupatient visit in

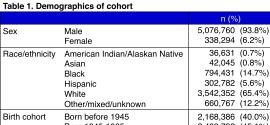
Study design

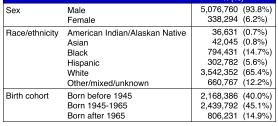
- Retrospective cohort
- For each Veteran with an outpatient visit in 2011, we determined if the Veteran ever had VA HCV testing by 31 December 2011
- HCV antibody (including recombinant immunoblot assay (RIBA)), viral load and genotype tests recorded at any VA facility nationally qualified as
- HCV testing rates calcuated for each of 130 reporting facilities that encompass all VA health care providers

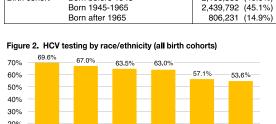
RESULTS

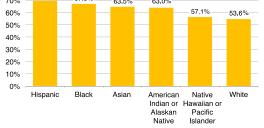
■ 5,415,084 Veterans with VA outpatient visit in 2011

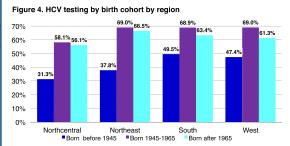
■ 2,971,104 (54.9%) with HCV testing











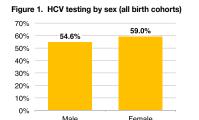


Figure 3. HCV testing by birth cohort

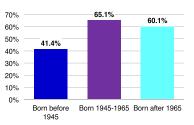
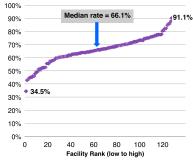


Figure 5. HCV testing by facility for Veterans born 1945-1965



CONCLUSIONS

- VA HCV testing rates were highest among those born between 1945 and 1965 prior to the new CDC birth cohort recommendations
- ■Nevertheless, a substantial number of Veterans in this birth cohort still require HCV testing to meet the new CDC recommendations
- Wide variation exists in HCV testing rates within this birth cohort across VA facilities:
- extremely high performance (>90%) has been achieved at some facilities which suggestes that such high performance can be achieved across the system
- extremely low performance at some facilities suggests the need for facility specific assessments
- Full adoption of birth cohort testing is likely to reveal substantial numbers of Veterans with previously unknown HCV infections which will have far reaching implications for the VA healthcare

Strengths:

 Robust observation of HCV testing rates in a large cohort of patients seen in routine medical practice.

Limitations:

 HCV testing rate underestimated since HCV tests performed outside VA are not included in CDW and since VA tests prior to 1999 are not included in CDW.

REFERENCES

1 Centers for Disease Control and Prevention. Recommendations for the identification of chronic hepatitis C virus infection among persons born during 1945-1965. MMWR 2012;61(RR-4):1-32

or financial conflicts of interest