

Disparities in Hepatitis C Treatment Uptake Among U.S. Medicaid Enrollees in 2018: Analysis of national administrative data

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Background:

Tracking hepatitis C (HCV) elimination requires measuring direct acting antiviral (DAA) treatment uptake. The U.S. Medicaid program provides healthcare coverage for low-income individuals, including many people with HCV. We examined factors associated with receipt of DAA in the 6-months following a new HCV diagnosis.

Methods:

We used data from the newly available 2017-8 T-MSIS Analytic File, which includes Medicaid claims from 50 states, Washington DC, and Puerto Rico. We identified individuals aged 18-64 with a new diagnosis of HCV in 2018, who were continuously enrolled for 12 months before and 6 months after the new HCV diagnosis. HCV diagnosis was identified by ICD-10 code. We calculated the proportion receiving a DAA prescription within 6 months of diagnosis and used logistic regression to examine demographic factors and ICD-10-identified co-morbidities associated with treatment uptake.

Results:

Among 79,567 individuals meeting inclusion criteria, mean age was 45y, 51% were male, 56% white, 16% black, and 11% Hispanic. 58% had an injection drug use diagnosis, and 9% had a cirrhosis diagnosis. 9,497 (12%) received DAA treatment within 6 months of new HCV diagnosis. In multivariate regression, age in years (OR 1.09, $p < 0.0001$), male sex (OR 1.37, $p < 0.0001$), and cirrhosis (OR 2.14, $p < 0.0001$) were associated with increased treatment uptake. Black race (OR 0.9, $p = 0.001$, ref=White) and Hispanic ethnicity (OR 0.89, $p = 0.002$, ref=White), injection drug use (OR 0.79, $p < 0.0001$), alcohol use disorder (OR 0.7, $p < 0.0001$), HIV (OR 0.74, $p < 0.0001$), and having a mental health diagnosis (OR 0.68, $p < 0.0001$) were associated with decreased treatment uptake.

Conclusion:

In this initial analysis of HCV treatment uptake among a national cohort of Medicaid enrollees, we found disparities in treatment uptake based on demographic factors, injection drug use, and other co-morbidities. Further work will examine geographic and policy differences in treatment patterns, and changes over time.

Disclosure of Interest Statement:

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