



# Are Fibrosis Tests a Cost-Effective Way to Decide on Hep C Treatment?

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Using tests to determine liver fibrosis severity among people with hepatitis C virus and only treating those with advanced fibrosis is not cost-effective compared with a strategy of treating all, regardless of fibrosis stage. This finding may change, however, as new treatments enter the market, possibly with higher price tags.

Publishing their findings in *Hepatology*, researchers conducted a systematic review and meta-analysis to calculate the accuracy of various non-invasive tests (NITs) at determining fibrosis stage. Then they used the data from that meta-analysis, along with medical literature and national data from the United Kingdom, to compare the cost-effectiveness of four different strategies: conducting fibrosis staging with NITs and then treating those with a fibrosis stage 2 or above; staging with a liver biopsy and treating those with a fibrosis stage 2 or above; treating no one; and treating everyone regardless of their fibrosis stage.

Determining the cost-effectiveness of treating with the older generation of hep C drugs, Victrelis (boceprevir) or Incivek (telaprevir), the researchers found that the most cost-effective strategy was treating all people regardless of fibrosis stage, which yielded an incremental cost-effectiveness ratio (ICER) of about \$15,000 per additional quality-adjusted life year (QALY) gained. The researchers conducted an exploratory analysis of treating with Sovaldi (sofosbuvir) and found that the strategy of treating everyone would still be cost-effective, compared with letting an NIT determine whether to treat, for an ICER of about \$26,000 per QALY gained. An exploratory analysis of new treatments determined that if cure rates rise above 90 percent for those with hep C genotypes 1 through 4, then the extra associated costs for treatment, when compared with Incivek or Victrelis treatment, would have to remain below about \$60,000 for the “treat all” strategy to remain the most cost-effective.

To read the study abstract, [click here](#).