

## **COST OF HEPATITIS C CARE FACILITATION FOR HIV/HEPATITIS C CO-INFECTED PEOPLE WHO USE SUBSTANCES**

Gutkind S,<sup>1</sup> Starbird L,<sup>1,2</sup> Murphy SM,<sup>1</sup> Feaster D,<sup>3</sup> Metsch L,<sup>4</sup> Schackman BR<sup>1</sup>

<sup>1</sup> Department of Healthcare Policy & Research, Weill Cornell Medical College, NY, NY, USA; <sup>2</sup> Columbia University School of Nursing, NY, NY, USA; <sup>3</sup> Department of Public Health Sciences, University of Miami School of Medicine, Miami, FL, USA; <sup>4</sup> Department of Sociomedical Sciences, Mailman School of Public Health, Columbia University, NY, NY, USA.

**Background:** We evaluated the economic cost of care facilitation for linkage to hepatitis C virus (HCV) care among HIV/HCV co-infected individuals with substance use disorder enrolled in HIV care, using data from a 6-month multi-site randomized trial.

**Methods:** Participants were enrolled from 8 HIV clinics across the US and randomized to receive care facilitation for linkage to HCV care (n=51) or treatment as usual (TAU, n=62). Data were collected prospectively alongside the trial and during site visits to identify additional resources used to deliver care facilitation intervention. We used micro-costing methods to evaluate costs incurred from the healthcare sector and patient perspectives in 2017\$, applying national labor rates. We calculated median clinic start-up costs and mean incremental cost per care facilitation participant (excluding overhead costs).

**Results:** The median site start-up cost was \$6,979 (range: \$4,634-\$7,778), primarily consisting of onsite and webinar trainings for care facilitators and site staff. The median site weekly cost for supervision and client outreach was \$1,156 (range: \$511-\$3,222). The mean cost per care facilitator visit was \$54, with a mean of 10.25 visits per participant. This cost includes visits delivered in-person or by telephone and staff travel to and from in-person visits. The mean cost per care facilitator contact with non-participants (e.g. other providers) was \$20, with a mean of 11.35 of these contacts per participant. The mean total cost per participant to deliver the 6-month care facilitation intervention was \$3,854. Mean participant time and travel costs were \$6 per in-person visit, and \$81 over the intervention. Participants in the intervention arm reported fewer hospitalizations outside of the intervention than participants receiving TAU.

**Conclusion:** Care facilitation for linkage to HCV care cost approximately \$3,854 per participant. Face-to-face visits represented the majority of the intervention costs. Potential cost offsets resulting from fewer hospitalizations need to be investigated.

**Disclosure of Interest:** All authors received funding from National Institute on Drug Abuse (NIDA) for this study.