Return on Health telehealth case study: Complex care coordination

Overview

Cityblock Health is a tech-enabled provider of health care and social services to low-income and racially diverse populations.

Strategic goals

Cityblock implemented its virtually integrated care model to:

- Ensure continuity of complex care management for a diverse, older patient population during a pandemic.
- Maintain or lower cost of care for members by reducing avoidable emergency department visits and inpatient admissions.

Program impact on health care value streams

Founded in 2017, Cityblock contracts with payers to provide primary care, behavioral health care and social services to members with complex needs. One of Cityblock’s unique virtual care models adopted during the COVID-19 pandemic, the mobile integrated care program, leverages a variety of modalities (including interprofessional consult, video and phone visits, SMS messaging, and in-home care) to deliver whole-person, complex care management to marginalized communities in New York,
Massachusetts and Connecticut.

Over half of the members who receive services through this model are over 60 years old, and more than half (59%) are women. Approximately 25% of members receiving services through the model identify their race or ethnicity as Black, 21% are white, 3% are Hispanic, 7% are multiracial, and 32% did not identify their race or ethnicity.

Payers provide Cityblock an annual capitated payment for each member, and if Cityblock is able to manage its total membership’s care for lower cost than projected, it keeps those savings. Cityblock assumes financial responsibility for medical expenses beyond the capitated payment rate.
Cityblock Figure 12

Virtual Care Value Stream

**Environmental Variables**

- **Type of Practice**
  - Health and social service provider

- **Payment Arrangement**
  - Fully capitated

- **SDOH of Patient Population**
  - Age, race, ethnicity, SES, ZIP code, technology access

- **Clinical Use Case**
  - Complex integrated care

- **Virtual Care Modality**
  - Variety of modalities

**Clinical Outcomes, Quality and Safety**
- The Cityblock mobile integrated care program was similarly effective in reducing ED and inpatient utilization regardless of whether it was delivered in-person or virtually.

**Access to Care**
- Regular contact with members virtually integrated care team sees 30% of members per month and 85% every 90 days

**Patient, Family and Caregiver Experience**
- NPS increased from 77 in Jan 2020 (prior to virtually integrated model) to 91 in Jan 2021

**Clinician Experience**
- Not measured yet

**Financial and Operational Impact**
- No-show rates declined from 50% to 5%
- Per member per month cost of care lower in virtual model

**Health Equity**
- Cityblock’s mission is to deliver care to marginalized communities


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At the onset of the COVID-19 pandemic, Cityblock recognized the need to adapt its traditional care model and workflow to engage patients virtually to prevent disease spread and continue delivering care management to patients in the safety of their homes. To address this need, Cityblock developed and began implementing the mobile integrated care program for a subset of Cityblock members.

In the early stages of this virtual approach, Cityblock sent members links to participate in video appointments; however, many members faced connectivity challenges, which resulted in high no-show rates. To address these barriers, Cityblock launched a pilot where they delivered computer tablets directly to members’ homes.

The pilot quickly showed that tablets alone weren’t sufficient to increase successful connection rates, as the tablet software proved to not be designed to meet the needs of many of their older members who require additional support to successfully connect with Cityblock clinicians. Cityblock ultimately achieved success in its virtual approach when it deployed emergency medical technician (EMT) teams with telehealth technology to members’ homes, with the EMT acting as an in-home extender to the telehealth clinician. This hands-on approach helped bridge gaps in upfront solution design that had limited access for certain members, resulting in successful video visits between members and their Cityblock care team.

Cityblock’s virtually integrated care team is comprised of a community health partner (with a similar background and training as a community health worker), nurse care manager, nurse practitioner or physician primary care provider, behavioral health therapist and psychiatrist. The community health partner is responsible for checking in with the member via phone or text on an ongoing basis to understand their care plan progress and flag issues for the rest of the medical team as necessary.

Members generally meet with a therapist for behavioral health support once a week via video visit. Medical visits are also delivered in a virtual manner, wherein a clinician connects to the member via video visit and the EMT is at the patient’s home to help initiate the video visit, collect vitals, collect labs and conduct a physical exam, as appropriate.

**Clinical outcomes, quality and safety**

The Cityblock mobile integrated care program was similarly effective in reducing ED and inpatient utilization regardless of whether it was delivered in person or virtually.

**Access to care**
**Regular contact with membership:** On average, the Cityblock’s virtually integrated team sees about 30% of the model’s total membership per month and approximately 85% of total membership every 90 days.

**Patient, family and caregiver experience**

**Net Promoter Score:** NPS increased from 77 in January 2020, prior to the launch of the mobile integrated care program, to 91 in January 2021.

**Clinician Experience**

- **No-show rates:** No-show rates declined from 50% (when patients received video visit links only) to 5% when an emergency medical technician (EMT) was sent to the home to help initiate and conduct the video visit.
- **Per member per month (PMPM) expenses:** The cost of delivering virtual care was lower than the cost of delivering care in the in-person model on a PMPM basis.

**Financial and operational impact**

Cityblock’s mission is to “deliver personalized health services to marginalized communities [and] reduce disparities and rebuild trust between health care providers, social services organizations, and marginalized groups.”

Source: Data and content for this case study was provided by and used with permission from Cityblock Health.

Download the case study (PDF) and read other Return on Health telehealth case studies and scenarios.