

Retention in HIV Primary Care Using a Digital Patient Engagement Platform: Patients 7.4 Times More Likely to Attend Appointments



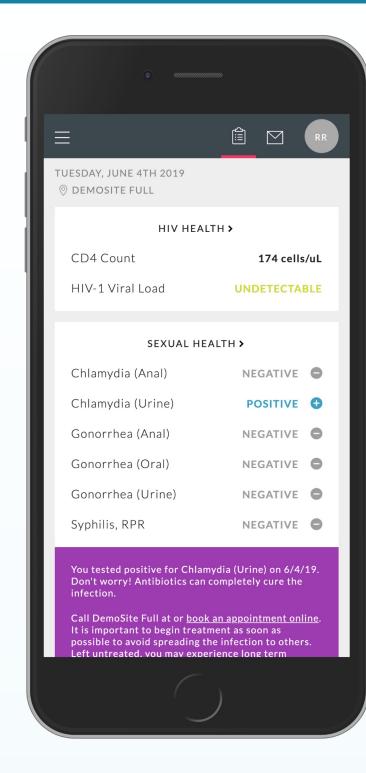
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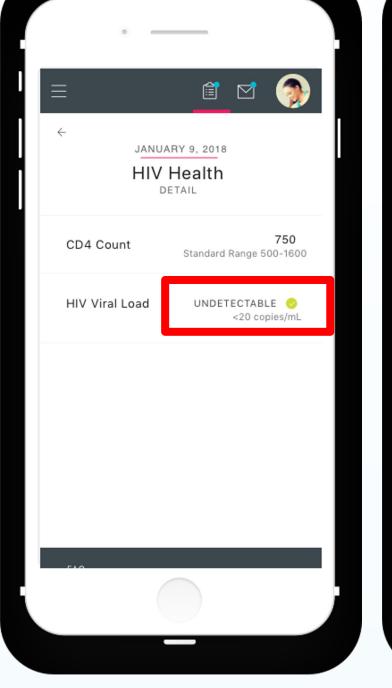
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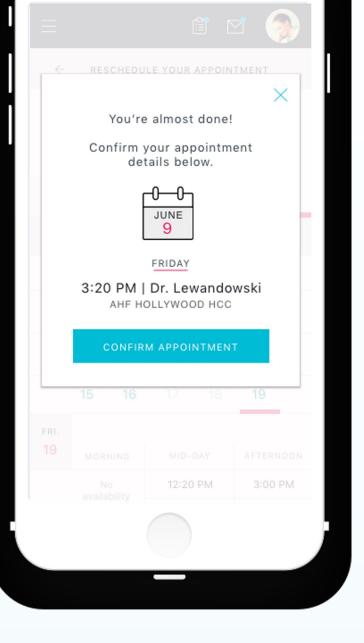
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Background

- For people living with HIV (PLWH): adhering to medication and retaining in care by attending their scheduled HIV primary care appointments are critical steps in the HIV care continuum for viral suppression and reduction of further transmission
- To curb new HIV infections each year: AIDS Healthcare Foundation (AHF) collaborated with Healthvana to establish a digital platform for more than 40,000 patients living with HIV
- AHF is the largest global provider of HIV care with 61 Healthcare
 Centers in 15 states and Washington DC to provide primary HIV care
- Healthvana is a digital patient engagement platform, used by both patients (online portal) and staff to help patients stay on top of their care
- Objective: Measure whether the Healthvana digital platform is associated with PLWH completing their scheduled Healthcare Center appointments at AHF







Results

- Logging in: Patients who logged in to the online patient portal were 7.4 times more likely to complete their first scheduled appointment compared to patients who did not log in.
- SMS Reminders: Patients who received the SMS appointment reminder were 1.7 times more likely to complete their first scheduled appointment compared to patients who did not receive it
- Demographics
- 46% of patients were from non-White communities
- 36% of patients were 50+ years of age

Methodology

- Who: 40,028 People Living with HIV (PLWH)
- Where: 61 AIDS Healthcare Foundation's Healthcare Centers
- When: 16 months (January 2, 2017 and May 22, 2018)
- What: SMS reminder sent before each appointment + Online portal access
- Outcome: 4 consecutive visits over a one year period for each PLWH

Conclusions and Future Directions

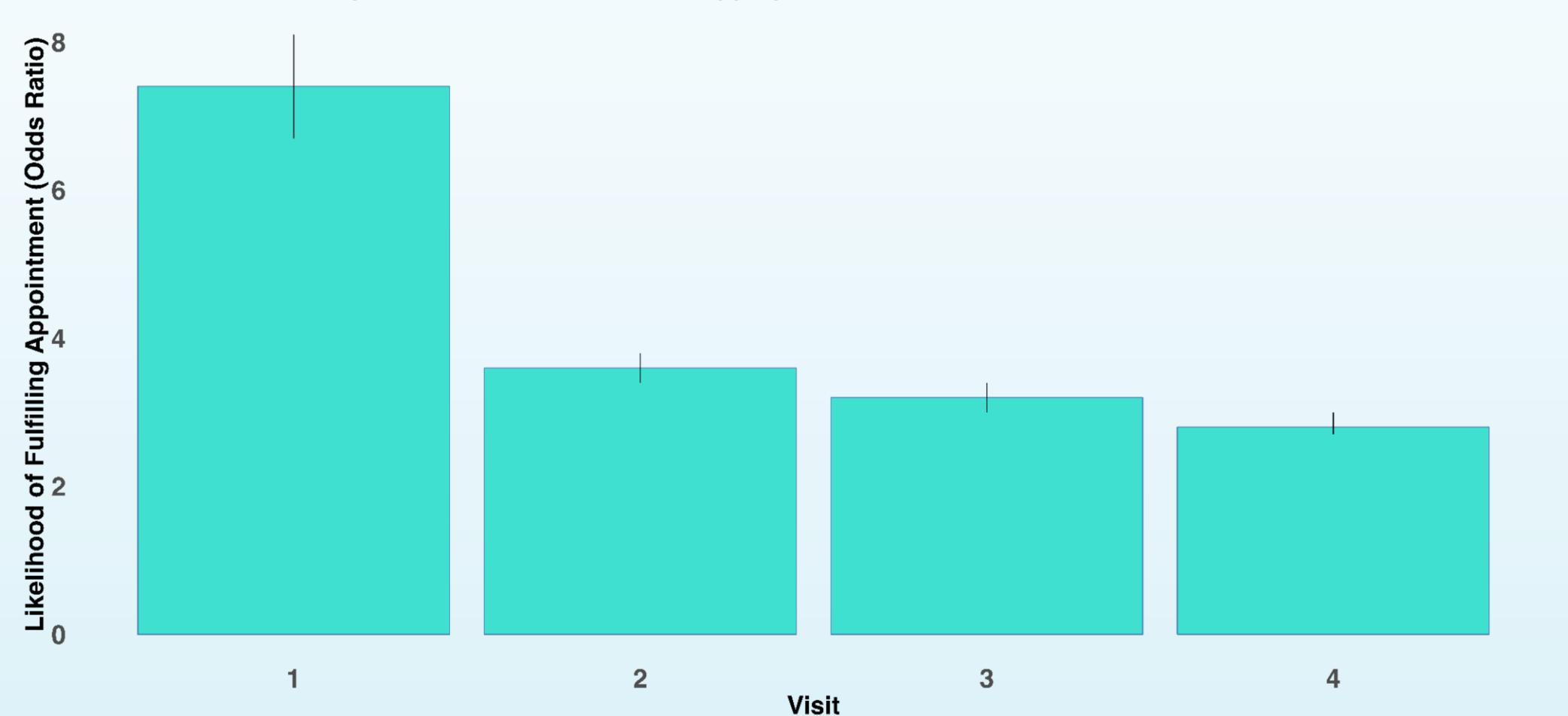
- Key Takeaway: HIV primary care appointment completion was higher when patients engaged with the Healthvana digital platform
- This model scales quickly and easily: Novel efforts to ensure
 patients complete their scheduled Healthcare Center appointments are
 imperative as HIV care retention is a critical step in achieving viral
 suppression and remaining undetectable to stop transmission
- Follow ups and limitations
- Explore why patients did not complete their follow-up visits
- Identify patients who do not have access to SMS-capable phones
- Active outreach to patients who did not log in to improve retention

Select References

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- [6] Dillingham R, Ingersoll K, Flickinger TE, Waldman AL., Grabowski M, Laurence C, et al. PositiveLinks: A Mobile Health Intervention for Retention in HIV Care and Clinical Outcomes with 12-Month Follow-Up. AIDS Patient Care STDS 2018: 32(6):241-250.

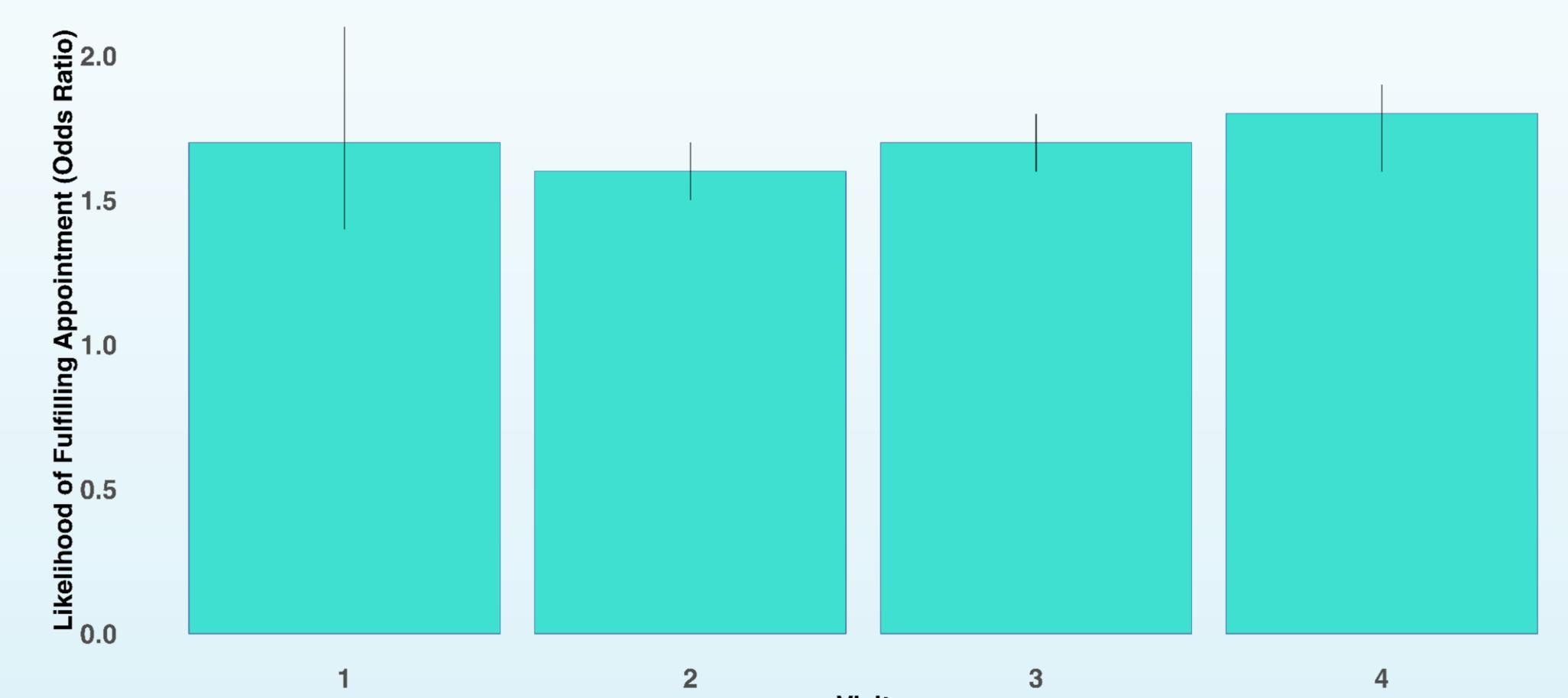
Logging into Healthvana helps patient retention in HIV Care

Likelihood of Attending HIV Follow-up Visit after Logging in to Healthvana



SMS reminders help patient retention in HIV Care

Likelihood of Attending HIV Follow-up Visit after sending an SMS Reminder



Visit

Error bars represent 95% confidence intervals around the likelihood of completing an appointment (expressed as an odds ratio)