

- Text messaging and short message service (SMS) interventions are associated with improved medication adherence among HIV-positive individuals
- In clinic-based pre-exposure prophylaxis (PrEP) programs, SMS programs have the potential to improve retention in PrEP care

OBJECTIVE: To describe the population who opted-in to an SMS program and examine the association between enrollment in the SMS program and retention in the PrEP clinic

METHODS

PrEP CLINIC:

- The municipal STD clinic in Seattle, WA provides PrEP to patients at high risk for HIV
- PrEP patients return to the clinic quarterly for clinical follow-up and monitoring
- Patients are considered "dropped" from the clinic (i.e. they cease to receive PrEP from the clinic) if they notify the clinic that they are discontinuing PrEP or if they fail to attend a followup appointment and do not respond to a call, text message, or letter

SMS (TEXT MESSAGE) PROGRAM:

- The SMS program (provided by WelTel) was designed to enhance retention to follow-up PrEP clinic appointments and to improve adherence to PrEP
- The SMS program began in September 2015 and includes 3 components:
 - I) Automated weekly [changed to monthly in August 2016] "check-in" messages
 - 2) Automated appointment reminders (sent I week and again I day before appointment)
 - 3) Bi-directional open communication via SMS with disease intervention specialists (DIS)
- Patients are offered opt-in enrollment in the SMS program during their initial PrEP evaluation
- Incoming SMS are monitored during clinic hours by two DIS who coordinate the PrEP clinic

DATA ANALYSIS:

- This analysis includes PrEP clinic patients from September 2015 December 2016
- We defined retention in the PrEP clinic to be any patients who did not "drop" from the clinic
- We compared proportions with chi-square tests and used log binomial regression to estimate the adjusted relative risk (aRR) of the association between enrollment in the SMS program and retention in the PrEP clinic (adjusting for gender, age, and race/ethnicity)

ACKNOWLEDGEMENTS

PrEP DIS (Cheryl Malinksi and Glorya Afful); PrEP database manager (Jon Diemer); WelTel Support Staff (Victor Silva, Oscar Correa, Gabrielle Serafini)

of British Columbia, Vancouver, BC, Canada, and ⁴Public Health – Seattle & King County, Seattle, WA, USA

