

HIV PrEP for Young Men who Have Sex with Men (YMSM)

ATN 110

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ATN 110: Background

- **Background:** Open-label, single-arm, demonstration project and safety study of tenofovir DF-emtricitabine daily oral PrEP for young men who have sex with men, conducted in 12 US cities
- **Inclusion Criteria**
 - Age 18-22 years of age, born male, HIV-seronegative
 - Reported HIV risk behavior (e.g., condomless anal intercourse, multiple sexual partners, bacterial STI)
 - No history of unexplained bone fractures
 - Negative hepatitis B surface antigen
 - Creatinine clearance > 75 mL/min
- **Intervention**
 - Tenofovir DF-emtricitabine: 1 pill daily
 - All enrollees participated in one of two CDC-supported behavioral health interventions prior to starting PrEP
 - All received comprehensive prevention services at each visit*



Tenofovir DF-Emtricitabine
(n = 200)

*Risk reduction counseling, condoms, STI screening and treatment

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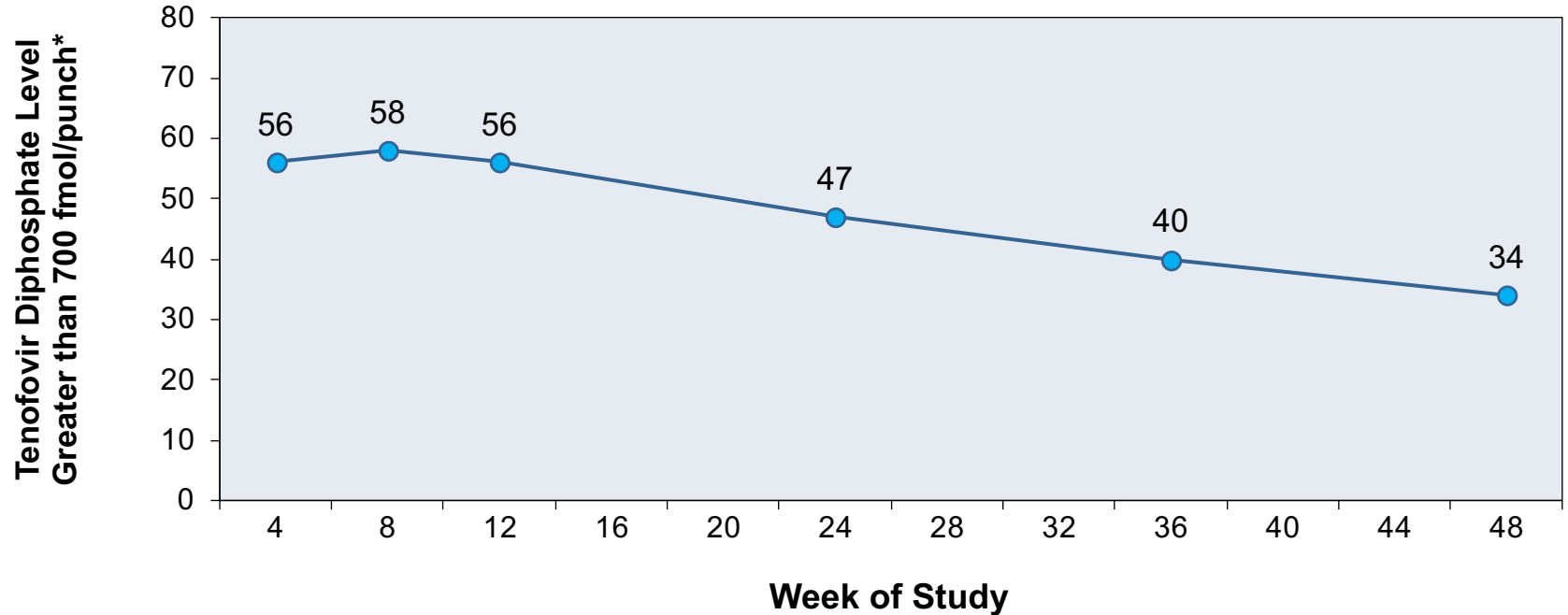
ATN 110: Baseline Characteristics

ATN 110: Baseline Characteristics	Overall (n = 200)
Mean age, years	20.2
Black/African American, n (%)	93 (46.5)
Asian/Pacific Islander, n (%)	2 (1.0)
White/non-Hispanic, n (%)	42 (21.0)
White/Hispanic, n (%)	21 (10.5)
Other/mixed race, n (%)	42 (21.0)
Condomless sex during past month, %	80.8%
Condomless receptive anal intercourse with last partner, %	58.0%
Any positive STI test, %	22.0%
Ever kicked out of house due to sexual orientation, %	17.2%
Ever spent at least one night in homeless shelter, %	15.5%

Source: Hosek SG, et al. J Acquir Immune Defic Syndr. 2017;74:21-9.

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ATN 110: Adherence Based on Dried Blood Spot Drug Levels



*This tenofovir diphosphate level is equivalent to taking 4 pills per week.

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ATN 110: Conclusions

Conclusions: “Acceptability of PrEP was high, and most participants achieved protective drug levels during monthly visits. As visit frequency decreased, so did adherence. YMSM in the United States may need PrEP access in youth-friendly settings with tailored adherence support and potentially augmented visit schedules.”

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