**Advanced HIV Disease in the Botswana Combination Prevention Project: Prevalence, Risk Factors, and Outcomes**

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**Supplementary Material**

Supplementary Table s1: Patient Characteristics of the 3,657 individuals in the Botswana Combination Prevention Project Referral Cohort

Supplementary Table s2: Baseline Characteristics and Outcomes of Individuals in the Botswana Combination Prevention Project Referral Cohort Linking to Study Clinics with and without Baseline CD4 Counts

**Supplementary Table s1**

Table s1. Patient Characteristics in the Botswana Combination Prevention Project Referral Cohort

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **(i) Baseline characteristics of 3,657 HIV-positive community residents not on ART**\* | | | | |
| *variable* | *Overall* | *Linked to care* | *Not linked to care* | *p-value* |
| **Sex**  (% male) | 39.4% (1440/3657) | 37.8% (1237/3282) | 54.1% (203/375) | *<0.001* |
| **Age**  (median, IQR) | 35 (28-43) years | 35 (28-43) years | 33 (26-39) years | *<0.001* |
| **New or known HIV**  (% new diagnosis) | 50.8% (1858/3657) | 49.4% (1620/3282) | 63.5% (238/375) | *<0.001* |
| **WHO stage§**  (% stage 1 disease) | 89.2% (1769/1984) | 89.2% (1769/1984) | NA | *NA* |
| **Education level§**  (% secondary) | 66.2% (2420/3655) | 64.7% (2122/3290) | 79.5% (298/375) | *<0.001* |
| **Employment§**  (% employed) | 45.2% (1639/3630) | 43.8% (1426/3258) | 57.3% (213/372) | *<0.001* |
| **Marital status§**  (% married) | 24.1% (880/3656) | 23.5% (770/3281) | 29.3% (110/375) | *0.010* |

\*Between October 2013 and March 2018, Botswana Combination Prevention Project research staff assessed HIV status in 61,655 community residents, of whom 13,328 (22%) were HIV infected. Of these, 3,657 (27%) were not on ART; 3,282 (89.7% ) linked to care at an ART clinic a median of 6 days (IQR 3-35 days) after community assessment. Three hundred and seventy-four individuals linked to clinics outside the intervention communities and did not have reliably documented ART initiation dates.

**§**Data were incomplete for these variables as shown in the overall denominators. WHO Stage was only assessed on clinic linkage therefore was not available for individuals who did not link to care.

**Supplementary Table s2**

Table s2. Baseline Characteristics and Outcomes of Individuals in the Botswana Combination Prevention Project Referral Cohort Linking to Study Clinics with and without Baseline CD4 Counts

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **(i) Baseline characteristics and outcomes of 2,908 HIV-positive community residents not on ART linking to BCPP community clinics with and without baseline CD4 counts** | | | | |
| *variable* | *Overall* | *With baseline CD4 count* | *Without baseline CD4 count* | *p-value* |
| **Sex**  (% male) | 38.6% (1122/2908) | 37.1% (926/2499) | 48.0% (196/409) | *<0.001* |
| **Age**  (median, IQR) | 35 (28-44) years | 36 (29-44) years | 33 (26-41) years | *<0.001* |
| **New or known HIV**  (% new diagnosis) | 50.0% (1453/2908) | 48.5% (1212/2499) | 58.9% (241/409) | *<0.001* |
| **Initiated ART**  (% initiated) | 94.1% (2737/2908) | 95.4% (2385/2499) | 86.1% (352/409) | *<0.001* |
| **In care at 1 year\***  (% in care, 95% CI) | 96.6% (95.8-97.3) | 97.1% (96.4-97.8) | 93.0% (89.6-95.3) | *<0.001* |
| **Viral suppression at 1 year†**  (% suppressed, 95% CI) | 90.8% (88.3-92.8) | 91.0% (88.4-93.0) | 89.4% (83.2-93.5) | *0.64* |
| **Mortality at 1 year†**  (% dead) | 1.0% (0.6-1.5) | 1.0% (0.6-1.6) | 0.8% (0.3-1.9) | *0.68* |

\*Analysis is restricted to the2,117/2,193 antiretroviral therapy (ART) eligible individuals who initiated ART. P-value derived from a Cox Proportional Hazards model adjusted for clustering by community.

**†**All individuals linking more than one year prior to data censoring.Mortality is reported at one year from linkage, and at end of study follow-up in June 2018. Note mortality may be under ascertained in those lost to follow-up (which was significantly higher in those with no baseline CD4).