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| **Table S1. Characteristics at fist postmenopausal visit (Index visit) and incident fracture after index visit among WLWH stratified by Hormone Therapy (HT) status** | | | |
| **Variable** | **HT (N=230)** | **no HT (N=1123)** | **P-value** |
| Age at index | 48.6(45.4,52.2) | 49.9(46.6,53.0) | 0.018 |
| Race/ethnicity  White  Black  Others | 70 (30%)  125 (54%)  35 (15%) | 162 (14%)  800 (71%)  161 (14%) | < 0.0001 |
| Weight Median(IQR) | 73.0(61.2,86.6) | 73.0(61.7,88.5) | 0.65 |
| BMI >= 30.0 (kg/m2) | 85 (37%) | 447 (40%) | 0.31 |
| Smoking (current) | 85 (37%) | 568 (51%) | 0.0002 |
| Alcohol use (>12 drinks/wk) | 10 ( 4%) | 78 ( 7%) | 0.15 |
| IDU at index | 2 ( 1%) | 27 ( 2%) | 0.14 |
| Opiate use at index | 28 (12%) | 104 ( 9%) | 0.17 |
| Cocaine use at index |  | 18 ( 2%) | 0.053 |
| Diabetes Mellitus at index | 52 (23%) | 222 (20%) | 0.33 |
| HCV RNA+ | 65 (28%) | 337 (30%) | 0.60 |
| eGFR < 60 ml/min (by MDRD) | 30 (13%) | 115 (10%) | 0.20 |
| Glucocorticoid use at index | 84 (37%) | 365 (33%) | 0.24 |
| Calcium supplementation at index | 36 (16%) | 78 ( 7%) | < 0.0001 |
| CD4 Median(IQR) at index | 542.0(339.0,751.0) | 477.0(278.0,703.0) | 0.010 |
| HIV RNA copies < 200 | 139 (61%) | 734 (66%) | 0.15 |
| ART use  NRTI use at index  PI use at index  NNRTI use at index  INSTI use at index  TDF use at index  TDF ever use (ever) | 190 (83%)  186 (81%)  105 (46%)  74 (32%)  15 ( 7%)  88 (38%)  104 (45%) | 911 (81%)  895 (80%)  443 (40%)  381 (34%)  75 ( 7%)  425 (38%)  554 (49%) | 0.67  0.74  0.086  0.59  0.92  0.93  0.26 |
| **Incident fractures after index** | | | |
| Fracture at any site\* | 60 (26%) | 174 (15%) | 0.0001 |
| Hip fractures | 2 ( 1%) | 11 ( 1%) | 0.88 |
| Spine fractures | 2 ( 1%) | 7 ( 1%) | 0.68 |
| Wrist fractures | 6 ( 3%) | 21 ( 2%) | 0.47 |
| \*In addition to typical fragility fracture sites (hip, spine, wrist), fractures occurred in ankles, clavicles, elbows, feet, hands, knees, legs, pelvis, ribs, shoulders/arms, and unidentified sites | | | |