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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%) | 0.670.740.0860.590.920.930.26 |
| **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 |