Project1

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## Project 1

## Longitudinal assessment of the effect of hard drug use on the effect of HARRT in a multicenter AIDS cohort study

# Data introduction

Hard drug missing at baseline is 0 (0%).

Unknown BMI: 18(3.5573123%)

**Table 0. Missing** ***Baseline***

|  |  |  |
| --- | --- | --- |
| Characteristic | NA | NA |
| SF36 MCS score | 1 (0%) | 1 (0%) |
| SF36 PCS score | 1 (0%) | 1 (0%) |
| # of CD4 positive cells (helpers) | 8 (2%) | 8 (2%) |
| Standardized viral load (copies/ml) | 9 (2%) | 9 (2%) |
| hard drug at baseline | 0 (0%) | 0 (0%) |
| Age, years | 0 (0%) | 0 (0%) |
| BMI(kg/m2) | 18 (4%) | 18 (4%) |
| Race | 0 (0%) | 0 (0%) |
| Education | 0 (0%) | 0 (0%) |
| Smoke | 0 (0%) | 0 (0%) |

***2 year visit***

|  |  |  |
| --- | --- | --- |
| Characteristic | NA | NA |
| SF36 MCS score | 6 (1%) | 6 (1%) |
| SF36 PCS score | 6 (1%) | 6 (1%) |
| # of CD4 positive cells (helpers) | 19 (4%) | 19 (4%) |
| Standardized viral load (copies/ml) | 19 (4%) | 19 (4%) |
| If Adherence to meds since last visit | 0 (0%) | 0 (0%) |

**Table 1. Demographic characteristics** ***Baseline***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Characteristic | All (n=488) | No hard drug use at baseline (n=452) | Hard drug use at baseline (n=36) | P Value |
| **SF36 MCS score** | 45.24±13.67 | 45.5±13.8 | 42.01±11.64 | 0.0953 |
| **SF36 PCS score** | 51.08±9.04 | 51.23±9.17 | 49.16±7.05 | 0.105 |
| **# of CD4 positive cells (helpers)** | 375.43±203 | 376.66±203.34 | 360.04±200.8 | 0.6356 |
| **Standardized viral load (copies/ml)**\* | 32600.5 (11186.22, 136972.5) | 33291.5 (11009.25, 136952.75) | 29255.5 (12909, 293871) | 0.8843 |
| **Age, years** | 43.16±8.83 | 43.1±8.78 | 43.89±9.52 | 0.6337 |
| **BMI(kg/m2)** | 25.26±4.41 | 25.39±4.46 | 23.62±3.45 | 0.0058 |
| **Race** |  |  |  | 0.073 |
| Non-White | 158 (32%) | 141 (31%) | 17 (47%) |  |
| White | 330 (68%) | 311 (69%) | 19 (53%) |  |
| **Education** |  |  |  | 0.0214 |
| less than college | 280 (57%) | 254 (56%) | 26 (72%) |  |
| college | 101 (21%) | 100 (22%) | 1 (3%) |  |
| greater than college | 107 (22%) | 98 (22%) | 9 (25%) |  |
| **Smoke** |  |  |  | <0.0001 |
| Non-Current smoker | 302 (62%) | 293 (65%) | 9 (25%) |  |
| Current smoker | 186 (38%) | 159 (35%) | 27 (75%) |  |

***2 year visit***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Characteristic | All (n=488) | No hard drug use at baseline (n=452) | Hard drug use at baseline (n=36) | P Value |
| **SF36 MCS score** | 47.6±11.94 | 47.73±11.76 | 45.9±14.06 | 0.4506 |
| **SF36 PCS score** | 49.45±10.34 | 49.86±10.1 | 44.36±11.96 | 0.0106 |
| **# of CD4 positive cells (helpers)** | 543.03±267.99 | 557.15±264.85 | 371.22±248.8 | 0.0001 |
| **Standardized viral load (copies/ml)**\* | 31.02 (10, 251.25) | 31 (10.17, 285.84) | 44 (8.85, 160.25) | 0.842 |
| **If Adherence to meds since last visit**\*\* |  |  |  | 0.2385 |
| No | 48 (10%) | 47 (10%) | 1 (3%) |  |
| Yes | 440 (90%) | 405 (90%) | 35 (97%) |  |

**Table 2. Difference** ***Baseline and year 2 visit***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Characteristic | All (n=488) | No hard drug use at baseline (n=452) | Hard drug use at baseline (n=36) | P Value |
| **Change in SF36 MCS score** | 2.39±11.98 | 2.27±11.65 | 3.89±15.65 | 0.5474 |
| **Change in SF36 PCS score** | -1.67±8.33 | -1.41±8.28 | -4.8±8.38 | 0.0245 |
| **Change in log # of CD4 positive cells** | 0.42±0.58 | 0.46±0.53 | 0±0.87 | 0.0036 |
| **Change in log Standardized viral load (copies/ml)** | -6.28±2.82 | -6.28±2.8 | -6.27±3.04 | 0.9843 |