Table 2. Multivariable Analysis for case/control

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Risk Factor | Model 1 | Model 2 | Model 3 | Model 4 | Model 5 |
| Demographic  Age (5 years)  Gender (male) | **0.776\*\***  **2.029\*\*** | ?  **2.253\*\*** | **0.825**  **2.551\*\*** | **0.764\*\***  **2.515\*\*** | **0.810**  **2.456\*\*** |
| Socioeconomic  Employed  Education  Pay for Care (self)  Transportation (personal) | 1.684\*  ?  ?  1.871\* | ?  **1.201\*\***  0.604  **?** | **?**  1.126\*  0.707  **2.283** | --- | ?  1.128  ?  1.908 |
| Psychosocial  Clinic feel pleased (yes)  Treatment Supporter (yes)  Depression (12+)  Fatigue (yes)  Faith activity (none)  Practice safe (<always)  Family HIV+ (none)  Effort (Some/Most/All) | **2.145**  **1.728**  **?**  0.622\* | **0.454**  ?  **2.499\*\***  **2.522\*\***  **1.907**  **5.071\*\***  **0.488**  3.526 | **0.318\*\***  1.857\*  **3.080\*\***  **?**  **?**  **2.938\*\***  0.649\*  **5.184** | **0.456**  1.644  **3.085\*\***  **2.303\*\***  1.715\*  **5.116\*\***  0.557\*  5.052\* | **0.442**  1.691  **3.535\*\***  **2.304\*\***  1.638\*  **4.665**  **0.550**  4.764\* |
| Symptoms and Exam  Fatigue  Nervous  Skin  Diarrhea  Sex | --- | 1.647\*  2.320\*  1.542 | --- | 1.746\*  2.112  ? | 1.749\*  2.080  ? |
| Medical History  CD4 log (1.0)  Tuberculosis (yes)  Cryptococcus (yes)  Lipodystrophy (yes) | 0.698  0.068\* | **0.094\*\***  **?**  **?**  **0.454** | --- | **0.074\*\***  **?**  **?**  0.506\* | **0.077\*\***  ?  ?  0.519\* |
| Medications  Duration  Recommend HIV clinic  Other vs Family  Other vs Family  Provider  Adherence 2-4 vs 0-1  Adherence 5+ vs 0-1  Other vs d4T  ZDV vs d4T  How take (TV/radio)  Trimethoprim/Sulfa (yes)  Fluconazole (yes)  Ethambutol (yes)  First Clinic (SKT) | ?  **0.434**  **0.404**  0.823  **1.770**  **15.495**  2.922  0.533 | ??  **0.371**  0.425\*  0.839  **0.341**  0.416\*  0.521\*  0.764  **2.910**  ?  ?  2.436  0.434\* | ---  ?? | 1.011  **0.291**  **0.326**  0.924  ?  ?  **0.383\*\***  0.563  **3.069**  2.82  ?  0.568 | 1.011  **0.284**  **0.374**  0.936  ?  ?  **0.372\*\***  0.588  **3.226**  3.653  ?  ? |
| Access | --- | --- | **1.316** | --- | **1.472** |
| Adherence | --- | --- | --- | **1.34** | ?? |

\*p value <0.10 and >0.05, bold = p value <0.05, \*\*p value <0.01, Model 1 – baseline variables (excluding any time updated variables), Model 2 – full model without access or adherence variables, Model 3 – socioeconomic and psychosocial adjusted for access, Model 4 – psychosocial, symptoms, clinical events and meds adjusted for adherence, Model 5 – full model

Separate subanalyses

1. Outcome for VL <200
2. Outcome for VL < assay
3. Exclude first 20 participants
4. Stratify or segregate for age and gender (see algorithm)
5. First 6 months on treatment only