

Supplemental Digital Content 1: Principal Components Analysis of Census Tract Characteristics, Rotated Factor Pattern (Varimax) for the Women’s Interagency HIV Study Participants Enrolled at the Southern Sites (n=737)¹

| | | Factor Patterns and Loading Values² | |
|---|--|---|--------------------------------------|
| | Communality Estimates³ | Social Disorder Component | Social Disadvantage Component |
| Variance Explained by Component | -- | 3.17 | 1.69 |
| Census Tract Characteristic | | | |
| Percent vacant housing units | 0.67 | 82 | 1 |
| Violent crime rate | 0.70 | 80 | 25 |
| Sexually transmitted infection prevalence | 0.74 | 86 | 2 |
| Percent poverty | 0.73 | 72 | 46 |
| Percent unemployment | 0.61 | 68 | 39 |
| Renter occupied housing | 0.63 | 37 | 70 |
| Alcohol outlet density | 0.77 | -4 | 88 |

¹Scores were standardized and components were extracted for modeling, 45 observations were omitted due to missing census tract variables.

²Factor loadings were multiplied by 100 and rounded to the nearest integer. Factor loadings ≥ 35 were considered “significant” loadings.

³Final Communality Estimate=5.86