**SUPPLEMENTARY MATERIAL**

**Supplementary Table S1. Multivariable Cox regression analysis of Factors Associated With Survival Among HIV/AIDS and HBV Co-infected Individuals in Michigan, 2006-2009**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variable** | **Crude HR** | **95% CI for HR** | **Adjusted HR** | **95% CI for Adjusted HR** |
| **Coinfection** |  |  |  |  |
| Not coinfected | 1 |  |  |  |
| Coinfected | 2.1 | 1.4, 3.2 |  |  |
| **Sex** |  |  |  |  |
| Male | 1 |  | 1 |  |
| Female | 1.2 | 1.0, 1.4 | 0.9 | 0.8, 1.2 |
| **Race** |  |  |  |  |
| White (non-Hispanic) | 1 |  | 1 |  |
| Black (non-Hispanic) | 1.5 | 1.3, 1.8 | 1.3 | 1.1, 1.6 |
| Hispanic | 1.2 | 0.8, 1.8 | 1.0 | 0.7, 1.6 |
| Other\* | 2.2 | 1.5, 3.3 | 2.2 | 1.4, 3.3 |
| **Age at HIV diagnosis (years)** |  |  |  |  |
| < 20 | 1 |  | 1 |  |
| 20 - 29 | 2.6 | 1.4, 4.8 | 1.8 | 0.9, 3.4 |
| 30 - 39 | 3.3 | 1.8, 6.1 | 1.9 | 1.0, 3.6 |
| 40 - 49 | 4.8 | 2.6, 8.8 | 2.6 | 1.4, 4.8 |
| 50 and over | 9.3 | 5.0, 17.1 | 5.7 | 2.7, 9.3 |
| **Current HIV status** |  |  |  |  |
| HIV-NA (not AIDS) | 1 |  |  |  |
| AIDS | 6.3 | 5.0, 8.0 |  |  |
| **HIV transmission Risk** |  |  |  |  |
| MSM | 1 |  | 1 |  |
| Blood products | 1.2 | 0.4, 3.8 | 1.4 | 0.5, 4.5 |
| Heterosexual† | 1.4 | 1.2, 1.8 | 1.4 | 1.0, 1.8 |
| IDU | 2.6 | 2.1, 3.2 | 2.0 | 1.6, 2.6 |
| MSM/IDU | 1.7 | 1.2, 2.5 | 1.6 | 1.1, 2.3 |
| Perinatal‡ | - | - | - | - |
| Undetermined§ | 1.7 | 1.4, 2.0 | 1.5 | 1.2, 1.9 |

**Supplementary Table S1. *Continued***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variable** | **Crude HR** | **95% CI for HR** | **Adjusted HR** | **95% CI for Adjusted HR** |
| **Interaction** |  |  |  |  |
| **Current HIV status x coinfection** |  |  |  |  |
| AIDS vs HIV-NA |  |  |  |  |
| Coinfected |  |  | 3.7 | 0.9.2, 15.8 |
| Not coinfected |  |  | 5.9 | 4.6, 7.4 |

\* Other= Multiracial, Asian, Hawaiian & Pacific Islander, Alaskan Native, American Indian † Heterosexual= Presumed Heterosexual (PH)- female and HRH (High risk heterosexual), ‡ Some cells have zero counts § Undetermined=Unknown (Males and Females with no identified risk) and Presumed Heterosexual (PH)- male

**Supplementary Table S2. Multivariable Cox regression analysis of Factors Associated With Survival Among HIV/AIDS and HCV Co-infected Individuals in Michigan, 2006-2009**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variable** | **Crude HR** | **95% CI for HR** | **Adjusted HR** | **95% CI for Adjusted HR** |
| **Coinfection** |  |  |  |  |
| Not coinfected | 1 |  |  |  |
| Coinfected | 2.7 | 1.9, 3.8 |  |  |
| **Sex** |  |  |  |  |
| Male | 1 |  | 1 |  |
| Female | 1.2 | 1.0, 1.5 | 0.9 | 0.8, 1.2 |
| **Race** |  |  |  |  |
| White (non-Hispanic) | 1 |  | 1 |  |
| Black (non-Hispanic) | 1.5 | 1.3, 1.7 | 1.3 | 1.1, 1.6 |
| Hispanic | 1.1 | 0.7, 1.7 | 1.0 | 0.7, 1.5 |
| Other\* | 2.3 | 1.6, 3.5 | 2.2 | 1.5, 3.3 |
| **Age at HIV diagnosis (years)** |  |  |  |  |
| < 20 | 1 |  | 1 |  |
| 20 - 29 | 2.3 | 1.3, 4.2 | 1.6 | 0.9, 3.4 |
| 30 - 39 | 3.0 | 1.7, 5.4 | 1.8 | 1.0, 3.2 |
| 40 - 49 | 4.5 | 2.5, 8.1 | 2.4 | 1.3, 4.3 |
| 50 and over | 8.9 | 4.9, 15.9 | 4.6 | 2.6, 8.4 |
| **Current HIV status** |  |  |  |  |
| HIV-NA (not AIDS) | 1 |  |  |  |
| AIDS | 5.9 | 4.8, 7.4 |  |  |
| **HIV transmission Risk** |  |  |  |  |
| MSM | 1 |  | 1 |  |
| Blood products | 1.4 | 0.5, 3.7 | 1.4 | 0.5, 3.9 |
| Heterosexual† | 1.5 | 1.2, 1.9 | 1.4 | 1.0, 1.9 |
| IDU | 2.9 | 2.3, 3.6 | 2.1 | 1.6, 2.7 |
| MSM/IDU | 1.8 | 1.3, 2.6 | 1.6 | 1.1, 2.3 |
| Perinatal‡ | - | - | - | - |
| Undetermined§ | 1.8 | 1.4, 2.2 | 1.6 | 1.3, 1.9 |

**Supplementary Table S2. *Continued***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variable** | **Crude HR** | **95% CI for HR** | **Adjusted HR** | **95% CI for Adjusted HR** |
| **Interaction** |  |  |  |  |
| **Current HIV status x coinfection** |  |  |  |  |
| AIDS vs HIV-NA |  |  |  |  |
| Coinfected |  |  | 2.0 | 0.9, 4.5 |
| Not coinfected |  |  | 5.9 | 4.6, 7.4 |

\* Other= Multiracial, Asian, Hawaiian & Pacific Islander, Alaskan Native, American Indian † Heterosexual= Presumed Heterosexual (PH)- female and HRH (High risk heterosexual), ‡ Some cells have zero counts § Undetermined=Unknown (Males and Females with no identified risk) and Presumed Heterosexual (PH)- male

**Supplementary Table S3. Multivariable Cox regression analysis of Factors Associated With Survival Among HIV/AIDS Co-infected Individuals on Anti-retroviral therapy (ART) in Michigan, 2006-2009**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variable** | **Crude HR** | **95% CI for HR** | **Adjusted HR** | **95% CI for Adjusted HR** |
| **Coinfection** |  |  |  |  |
| Not coinfected | 1 |  |  |  |
| Coinfected | 2.1 | 1.4, 3.1 |  |  |
| **Sex** |  |  |  |  |
| Male | 1 |  | 1 |  |
| Female | 1.0 | 0.8, 1.2 | 0.8 | 0.6, 1.1 |
| **Race** |  |  |  |  |
| White (non-Hispanic) | 1 |  | 1 |  |
| Black (non-Hispanic) | 1.5 | 1.2, 1.8 | 1.3 | 1.0, 1.6 |
| Hispanic | 1.2 | 0.7, 2.1 | 1.1 | 0.6, 1.8 |
| Other\* | 2.7 | 1.6, 4.4 | 2.3 | 1.4, 3.8 |
| **Age at HIV diagnosis (years)** |  |  |  |  |
| < 20 | 1 |  | 1 |  |
| 20 - 29 | 2.7 | 1.2, 6.1 | 1.6 | 0.7, 3.7 |
| 30 - 39 | 3.2 | 1.4, 7.2 | 1.7 | 0.7, 3.8 |
| 40 - 49 | 3.6 | 1.6, 8.3 | 1.8 | 0.8, 4.1 |
| 50 and over | 8.4 | 3.7, 19.4 | 4.0 | 1.7, 9.3 |
| **Current HIV status** |  |  |  |  |
| HIV-NA (not AIDS) | 1 |  |  |  |
| AIDS | 5.1 | 3.4, 7.8 |  |  |
| **HIV transmission Risk** |  |  |  |  |
| MSM | 1 |  | 1 |  |
| Blood products | 1.0 | 0.2, 3.8 | 1.1 | 0.3, 4.6 |
| Heterosexual† | 1.3 | 1.0, 1.7 | 1.5 | 1.0, 2.1 |
| IDU | 2.5 | 1.9, 3.4 | 2.4 | 1.7, 3.4 |
| MSM/IDU | 1.8 | 1.2, 2.8 | 1.7 | 1.1, 2.6 |
| Perinatal‡ | - | - | - | - |
| Undetermined§ | 2.0 | 1.5, 2.7 | 1.7 | 1.2, 2.3 |

**Supplementary Table S3. *Continued***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variable** | **Crude HR** | **95% CI for HR** | **Adjusted HR** | **95% CI for Adjusted HR** |
| **CD4 counts** |  |  |  |  |
| > 500 | 1 |  | 1 |  |
| 200 -400 | 1.5 | 1.0, 2.1 | 1.1 | 0.8, 1.6 |
| < 200 | 2.4 | 1.7, 3.4 | 1.2 | 0.8, 1.7 |
| **Interaction** |  |  |  |  |
| **Current HIV status x coinfection** |  |  |  |  |
| AIDS vs HIV-NA |  |  |  |  |
| Coinfected |  |  | 2.0 | 0.6, 6.7 |
| Not coinfected |  |  | 4.6 | 3.0, 7.2 |

\* Other= Multiracial, Asian, Hawaiian & Pacific Islander, Alaskan Native, American Indian † Heterosexual= Presumed Heterosexual (PH)- female and HRH (High risk heterosexual), ‡ Some cells have zero counts § Undetermined=Unknown (Males and Females with no identified risk) and Presumed Heterosexual (PH)- male