Supplemental Table: Sensitivity analysis results

1A: Prevalence Ratios (PR) and 95% Confidence Intervals (CI) assessing the association between Ocular Syphilis (OS) and Viral Suppression1 by different time frames used to capture viral load data and classification schemes of viral suppression for missing data

|  |  |  |  |
| --- | --- | --- | --- |
|  | Complete Case Analysis | Missing VL Values Classified as Unsuppressed | Missing Lab VL Classified as Suppressed |
| Timeframe used to capture VL relative to syphilis diagnosis date | **OS** | **Non-OS** | **PR** | **95% CI** | **OS** | **Non-OS** | **PR** | **95% CI** | **OS** | **Non-OS** | **PR** | **95% CI** |
| **N** | **%** | **N** | **%** |  |  | **N** | **%** | **N** | **%** |  |  | **N** | **%** | **N** | **%** |  |  |
| 6 months before only |  |  |  |
| VL ≤200 copies/mL | 26 | 1.7 | 1512 | 98.3 | 1.00 |  | 26 | 1.7 | 1512 | 98.3 | 1.00 |  | 30 | 1.6 | 1800 | 98.4 | 1.00 |
| VL >200 copies/mL | 29 | 2.9 |  987 | 97.1 | 1.69 | 1.00, 2.85 | 33 | 2.5 | 1275 | 97.5 | 1.49 | 0.90, 2.48 | 29 | 2.9 |  987 | 97.1 | 1.74 | 1.05, 2.88 |
| 6 months before or after  |  |  |  |
| VL ≤200 copies/mL  | 27 | 1.8 | 1511 | 98.2 | 1.00 |  | 27 | 1.8 | 1511 | 98.2 | 1.00 |  | 31 | 3.0 |  988 | 97.0 | 1.00 |
| VL >200 copies/mL | 28 | 2.8 |  988 | 97.2 | 1.57 | 0.93, 2.65 | 32 | 2.4 | 1276 | 97.6 | 1.39 | 0.84, 1.39 | 28 | 1.5 | 1799 | 98.5 | 1.63 | 0.98, 2.70 |
| 12 months before only  |  |  |  |
| VL ≤200 copies/mL  | 26 | 1.6 | 1589 | 98.4 | 1.00 |  | 26 | 1.6 | 1589 | 98.4 | 1.00 |  | 30 | 1.7 | 1761 | 98.3 | 1.00 |
| VL >200 | 29 | 2.7 | 1026 | 97.3 | 1.71 | 1.01, 2.88 | 33 | 2.7 | 1198 | 97.3 | 1.67 | 1.00, 2.77 | 29 | 2.7 | 1026 | 97.3 | 1.64 | 0.99, 2.72 |
| 12 months before or after  |  |  |  |
| VL ≤200 copies/mL  | 27 | 1.7 | 1577 | 98.3 | 1.00 |  | 27 | 1.7 | 1577 | 98.3 | 1.00 |  | 31 | 1.7 | 1749 | 98.3 | 1.00 |
| VL >200 copies/mL | 28 | 2.6 | 1038 | 97.4 | 1.56 | 0.93, 2.63 | 32 | 2.6 | 1210 | 97.4 | 1.53 | 0.92, 2.54 | 28 | 2.6 | 1038 | 97.4 | 1.51 | 0.91, 2.50 |

1. Viral suppression defined as a viral load ≤200 copies/mL

1B: Prevalence Ratios (PR) and 95% Confidence Intervals (CI) assessing the association between Ocular Syphilis (OS) and CD4 count ≤200 by different time frames used to capture viral load data and classification schemes of and CD4 count ≤200 for missing data

|  |  |  |  |
| --- | --- | --- | --- |
|  | Complete Case Analysis | Missing CD4 Count Values Classified as >200 cells/mL | Missing Lab CD4 Count Classified as ≤200 cells/mL |
| Timeframe used to capture CD4 count relative to syphilis diagnosis date | **OS** | **Non-OS** | **PR** | **95% CI** | **OS** | **Non-OS** | **PR** | **95% CI** | **OS** | **Non-OS** | **PR** | **95% CI** |
| **N** | **%** | **N** | **%** |  |  | **N** | **%** | **N** | **%** |  |  | **N** | **%** | **N** | **%** |  |  |
| 6 months before only |  |  |  |
| CD4 ≤200 cells/mL | 14 | 4.5 | 296 | 95.5 | 1.00 |  | 14 | 4.5 | 296 | 95.5 | 1.00 |  | 16 | 2.5 | 636 | 97.5 | 1.00 |
| CD4 >200 cells/mL | 43 | 2.0 | 2151 | 98.0 | 2.30 | 1.28, 4.16 | 45 | 1.8 | 2491 | 98.2 | 2.55 | 1.41, 4.58 | 43 | 2.0 | 2151 | 98.0 | 1.25 | 0.71, 2.21 |
| 6 months before or after  |  |  |  |
| CD4 ≤200 cells/mL | 14 | 4.5 | 295 | 95.5 | 1.00 |  | 14 | 4.5 | 295 | 95.5 | 1.00 |  | 16 | 2.5 | 635 | 97.5 | 1.00 |
| CD4 >200 cells/mL | 43 | 2.0 | 2152 | 98.0 | 2.31 | 1.28, 4.18 | 45 | 1.8 | 2492 | 98.2 | 2.55 | 1.42, 4.60 | 43 | 2.0 | 2152 | 98.0 | 1.25 | 0.71, 2.21 |
| 12 months before only  |  |  |  |
| CD4 ≤200 cells/mL | 14 | 4.3 | 309 | 95.7 | 1.00 |  | 14 | 4.3 | 309 | 95.7 | 1.00 |  | 16 | 3.0 | 510 | 97.0 | 1.00 |
| CD4 >200 cells/mL | 43 | 1.9 | 2277 | 98.1 | 2.34 | 1.29, 4.23 | 45 | 1.8 | 2478 | 98.2 | 2.43 | 1.35, 4.38 | 43 | 1.9 | 2277 | 98.1 | 1.64 | 0.93, 2.89 |
| 12 months before or after  |  |  |  |
| CD4 ≤200 cells/mL | 14 | 4.3 | 309 | 95.7 | 1.00 |  | 14 | 4.3 | 309 | 95.7 | 1.00 |  | 16 | 3.0 | 510 | 97.0 | 1.00 |
| CD4 >200 cells/mL | 43 | 1.9 | 2277 | 98.1 | 2.34 | 1.29, 4.23 | 45 | 1.8 | 2478 | 98.2 | 2.43 | 1.35, 4.38 | 43 | 1.9 | 2277 | 98.1 | 1.64 | 0.93, 2.89 |