**Supplemental Digital Content 1. Table. Unadjusted and adjusted hazard ratios and 95% confidence intervals for time to CD4/CD8 ratio normalization, stratified by CD4/CD8 at ART initiation.**

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| Baseline CD4/CD8 ratio <0.3 (N=700) |
| Patient group | Unadjusted HR (95% CI) | Adjusteda HR (95% CI) |
| CHI with CD4<200 | 1. (ref.) | 1. (ref.) |
| CHI with CD4 200–350 | 1.80 (1.16, 2.77) | 1.83 (1.18, 2.84) |
| CHI with CD4>350 | 1.48 (0.74, 2.96) | 1.67 (0.82, 3.39) |
| AHI | 7.62 (4.48, 12.96) | 9.54 (5.36, 16.99) |
| Baseline CD4/CD8 ratio 0.3–0.5 (N=276) |
| Patient group | Unadjusted HR (95% CI) | Adjusteda HR (95% CI) |
| CHI with CD4<200 | 1. (ref.) | 1. (ref.) |
| CHI with CD4 200–350 | 1.03 (0.48, 2.23) | 1.09 (0.50, 2.36) |
| CHI with CD4>350 | 1.29 (0.64, 2.60) | 1.43 (0.70, 2.93) |
| AHI | 6.91 (3.08, 15.50) | 7.64 (3.21, 18.17) |
| Baseline CD4/CD8 ratio 0.5–1.0 (N=216) |
| Patient group | Unadjusted HR (95% CI) | Adjusteda HR (95% CI) |
| CHI with CD4<200b | N/A | N/A |
| CHI with CD4 200–350 | 1. (ref.) | 1. (ref.) |
| CHI with CD4>350 | 0.97 (0.63, 1.52) | 1.01 (0.65, 1.57) |
| AHI | 2.86 (1.64, 4.99) | 3.22 (1.82, 5.72) |

Abbreviations. AHI: acute HIV infection. CHI: chronic HIV infection. CI: confidence interval. HR: hazard ratio.

a Adjusted model also includes age, sex, and race/ethnicity.

b CHI patients with CD4<200 were excluded from this analysis as only six patients had a CD4<200 and CD4/CD8 0.5–1.0 at baseline.