Supplemental Table 1. Retinol to RBP ratio summary statistics among a population of adults exposed to a norovirus immunologic challenge, representing baseline to 35 days post-exposure

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| --- | --- | --- |
|  | **Median (IQR)** | **Wilcoxon V (P-value) 1** |
| **Pooled2**  |  |  |
|  Uninfected | 0.68 (0.12) | - |
|  Infected (unadjusted) | 0.68 (0.13) | 916 (<0.01) |
|  Infected (adjusted)3 | 0.71 (0.13 |
| **Day 0**  |  |  |
|  Uninfected | 0.74 (0.10) | 3 (<0.01) |
|  Infected (unadjusted) | 0.67 (0.12) | 10 (<0.01)  |
|  Infected (adjusted)  | 0.67 (0.15) | 10 (<0.01) |
| **Day 1** |  |  |
|  Uninfected | 0.70 (0.13) | 0 (<0.01) |
|  Infected (unadjusted) | 0.68 (0.12) | 0 (<0.01) |
|  Infected (adjusted) | 0.68 (0.12) | 0 (<0.01) |
| **Day 2** |  |  |
|  Uninfected | 0.71 (0.15) | 0 (<0.01) |
|  Infected (unadjusted)  | 0.71 (0.18) | 0 (<0.01) |
|  Infected (adjusted)  | 0.70 (0.17) | 0 (<0.01) |
| **Day 3** |  |  |
|  Uninfected | 0.64 (0.13) | 0 (<0.01) |
|  Infected (unadjusted)  | 0.64 (0.10) | 0 (<0.01) |
|  Infected (adjusted)  | 0.64 (0.10) | 0 (<0.01) |
| **Day 4** |  |  |
|  Uninfected | 0.67 (0.11) | 0 (<0.01) |
|  Infected (unadjusted)  | 0.66 (0.14) | 0 (<0.01) |
|  Infected (adjusted)  | 0.66 (0.13) | 0 (<0.01) |
| **Day 7** |  |  |
|  Uninfected | 0.69 (0.10) | 1 (<0.01) |
|  Infected (unadjusted)  | 0.64 (0.13) | 0 (<0.01) |
|  Infected (adjusted)  | 0.64 (0.12) | 0 (<0.01) |
| **Day 14** |  |  |
|  Uninfected | 0.68 (0.10) | 0 (<0.01) |
|  Infected (unadjusted)  | 0.70 (0.10) | 0 (<0.01) |
|  Infected (adjusted)  | 0.69 (0.12) | 0 (<0.01) |
| **Day 21** |  |  |
|  Uninfected | 0.68 (0.08) | 0 (<0.01) |
|  Infected (unadjusted)  | 0.72 (0.16) | 0 (<0.01) |
|  Infected (adjusted)  | 0.72 (0.15) | 0 (<0.01) |
| **Day 28** |  |  |
|  Uninfected | 0.69 (0.12) | 0 (<0.01) |
|  Infected (unadjusted)  | 0.71 (0.13) | 0 (<0.01) |
|  Infected (adjusted)  | 0.71 (0.13) | 0 (<0.01) |
| **Day 35** |  |  |
|  Uninfected | 0.68 (0.09) | 0 (<0.01) |
|  Infected (unadjusted)  | 0.68 (0.12) | 0 (<0.01) |
|  Infected (adjusted)  | 0.68 (0.12) | 0 (<0.01) |

1Pairwise Wilcoxon rank test used to test for significant differences between adjusted and unadjusted ratios among infected individuals

2There were 51 total participants in the study. Of these, 25 individuals became infected and 16 individuals were uninfected with norovirus.

3Both retinol and RBP measurements were adjusted for inflammation using the BRINDA approach