Change from Betas to exponentiated Betas = IRR with 95% CI instead?

**Table 2**: Impact of SHIELD test centers and ADI on COVID-19 ICU admission rates

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Dependent Variable: COVID-19 ICU Admission Rate | | | | | | | | |
| Independent Variable | Model 1  (Alpha) | Model 1  (Delta) | Model 1  (Omicron) | Model 2  (Alpha) | Model 2  (Delta) | Model 2  (Omicron) | Model 3  (Alpha) | Model 3  (Delta) | Model 3  (Omicron) |
| Effective Number of SHIELD Centers | -0.00542 (0.00542) | 0.00004 (0.00088) | -0.00249 (0.00165) |  |  |  |  |  |  |
| ADI (High Disadvantaged vs Low) |  |  |  | 0.00873 (0.00839) | 0.01609**\*** (0.00935) | 0.02076**\*** (0.01259) |  |  |  |
| Effective Number of SHIELD Centers by ADI - Low |  |  |  |  |  |  | xx | yy | zz |
| Effective Number of SHIELD Centers by ADI - High |  |  |  |  |  |  | xx | yy | zz |
| Number of observations | 573 | 588 | 588 | 573 | 588 | 588 | 573 | 588 | 588 |
| Mean of the dependent variable in the control group | 0.03 | 0.04 | 0.04 | 0.03 | 0.04 | 0.04 | 0.03 | 0.04 | 0.04 |
| Conditional R squared | 0.59 | 0.60 | 0.76 | 0.59 | 0.60 | 0.76 | 0.60 | 0.59 | 0.76 |
| Intraclass Correlation Coefficient (ICC) | 0.60 | 0.60 | 0.76 | 0.60 | 0.60 | 0.76 | 0.60 | 0.59 | 0.76 |
| *NOTE*: The LMER model included fixed effects such as the effective number of SHIELD centers per zip code per month and the ADI category. The model included a random effect for zip code. The unit of observation is the number of zip codes that have patients in LUMC ICU. Regression coefficients are shown with robust standard errors in parentheses. \*\*\*p<0.01, \*\*p<0.05, \*p<0.1 | | | | | | | | | |