The multinomial regression output gives the regression coefficients in a $\log \mathrm{OR}$ metric (see the handout and video for Topic 2 and Topic 5). A 95\% CI for the corresponding OR , where $\mathrm{OR}=\exp (\operatorname{logOR})$ is obtained as follows. Compute the $95 \%$ CI limits for the $\log \mathrm{OR}$ estimate as $\log \mathrm{OR} \pm 1.96^{*} \mathrm{SE}(\operatorname{logOR})$. Then exponentiate those two limits to get the OR limits. While the $\log \mathrm{OR}$ CI is symmetric around the estimate, the OR limits are not which is what is desired given that the OR distribution is not necessarily normal.

