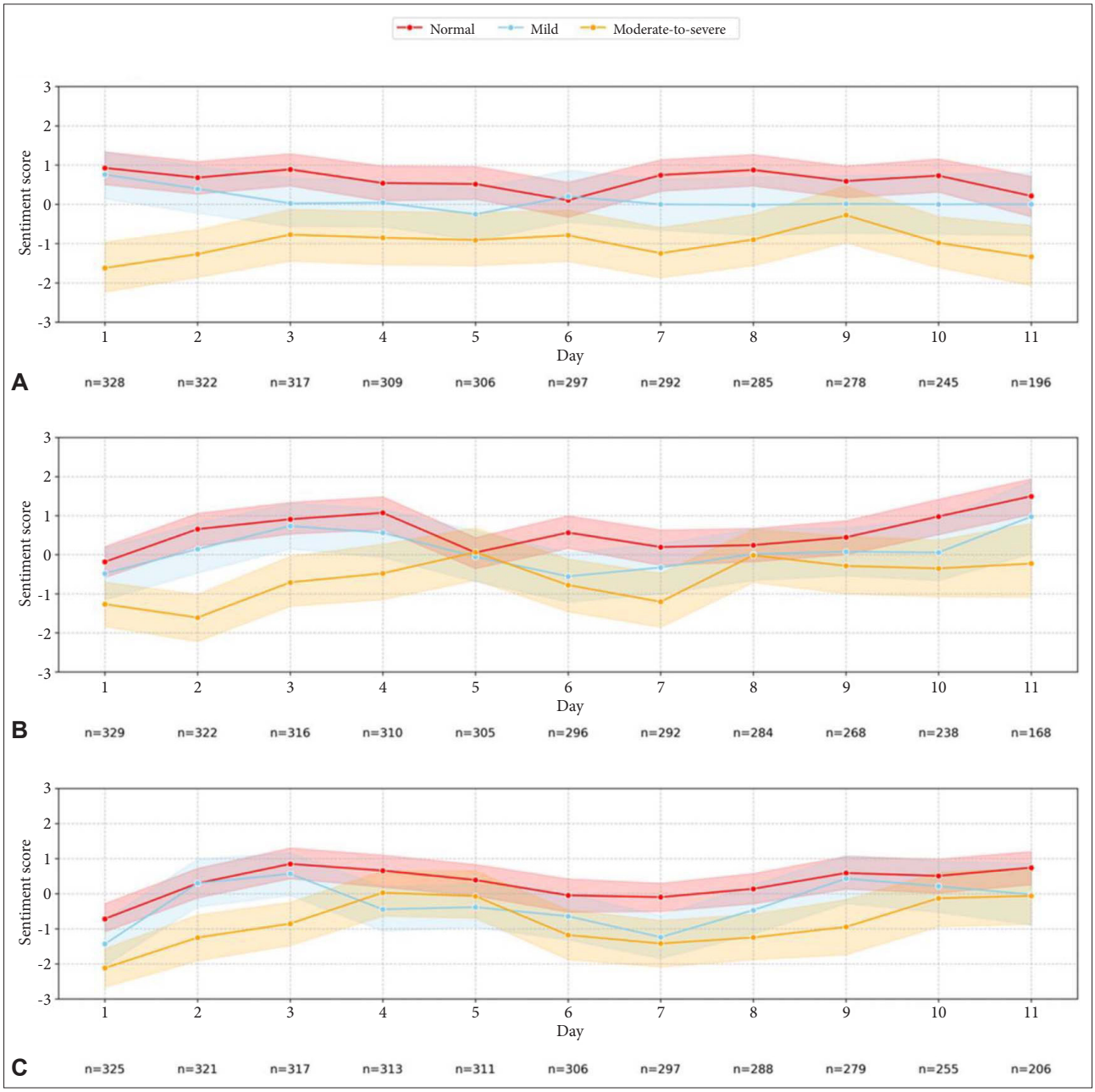

Supplementary Figure 3. Daily sentiment trajectories by depression severity group for the (A) morning, (B) afternoon, and (C) evening. Panels (A-C) show the sentiment scores for the morning, afternoon, and evening sessions, respectively. These scores were derived from the large language model-based language analysis of the daily ecological momentary assessment voice responses. Lines represent group means and shaded areas indicate 95% confidence intervals around the means. The groups are color-coded as follows: normal (red), mild (blue), and moderate-to-severe (orange).