**SUPPLEMENTARY FILE**

**Temporal and diurnal variation in social media posts to a suicide support forum**

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Online Table 1 - Subreddit posts in SuicideWatch according to different days of the week.

Ratio (R) of probability of posting and 95% Confidence Intervals (95% CI) on each day of the week compared to each possible baseline day.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Baseline  day | Mon  R  (95% CI) | Tues  R  (95% CI) | Wed  R  (95% CI) | Thurs  R  (95% CI) | Fri  R  (95% CI) | Sat  R  (95% CI) |
| Tues | **1.025**  **(1.020-1.030)** |  |  |  |  |  |
| Wed | **1.133**  **(1.125-1.142)** | **1.106**  **(1.097-1.115)** |  |  |  |  |
| Thur | **1.133**  **(1.127-1.139)** | **1.106**  **(1.099-1.112)** | 1.000  (0.991-1.008)  p=0.924 |  |  |  |
| Fri | **1.164**  **(1.154-1.174)** | **1.136**  **(1.126-1.146)** | **1.027**  **(1.016-1.038)** | **1.027**  **(1.018-1.036)** |  |  |
| Sat | **1.189**  **(1.180-1.198)** | **1.160**  **(1.151-1.170)** | **1.049**  **(1.038-1.059)** | **1.049**  **(1.040-1.058)** | **1.021**  **(1.011-1.032)** |  |
| Sun | **1.150**  **(1.141-1.159)** | **1.122**  **(1.113-1.132)** | **1.015**  **(1.004-1.025)**  **p=0.005** | **1.015**  **(1.006-1.024)** | **0.988**  **(0.978-0.999)**  **p=0.029** | **0.968**  **(0.958-0.977)** |

**All p-values≤0.001** except where stated

Online Figure 1: Mean Difference (MD) and 95% Confidence Intervals (95% CI) in proportions of Suicide Watch (SW) compared to the 2 control groups: AskReddit (all users) (AR) and AskReddit (SW-authors) (AR-c). Horizontal axis represents the hours of the day in six-hour intervals, across all days of the week

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six-hour interval of the day