**Supplemental Table 1: Daytime and Nighttime Responsibilities for Faculty and Fellows for the 2 Medical ICU Teams**

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| Week | Team | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday |
| Week 1 DaytimeControl | Team A | Attending, Fellow | Attending, Fellow | Attending, Fellow | Attending, Fellow | Attending, Fellow | Attending | Attending, Fellow |
| Team B | Attending, Fellow | Attending, Fellow | Attending, Fellow | Attending, Fellow | Attending, Fellow | Attending, Fellow | Attending |
| Week 1 Nighttime Control (Available by Phone) | Team A | Attending, Fellow | Attending, Fellow | Attending | Attending, Fellow | Attending | Attending | Attending, Fellow |
| Team B | Attending, Fellow | Attending | Attending, Fellow | Attending, Fellow | Attending, Fellow | Attending | Attending |
| Week 2 Daytime Intervention | Team A | Attending, Fellow | Attending, Fellow | Attending, Fellow | Attending, Fellow | Attending, Fellow | Attending | Attending, Fellow |
| Team B | Attending, Fellow | Attending, Fellow | Attending, Fellow | Attending, Fellow | Attending, Fellow | Attending, Fellow | Attending |
| Week 2 NighttimeIntervention | Team A | Nighttime Intensivist | Nighttime Intensivist | Nighttime Intensivist | Nighttime Intensivist | Nighttime Intensivist | Nighttime Intensivist | Nighttime Intensivist |
| Team B |

Weeks 1 and 2 with similar daytime staffing structure. An example of a nighttime control week is depicted here in week 1. Fellows were given 1 night off home call during the week and 1 day off over the weekend. An example of a nighttime intensivist staffing week is depicted here in week 2. The daytime fellow and attending did not have night call responsibilities during weeks of nighttime intensivist staffing.