

## Supplementary figures for A TRIGGER-TOOL-BASED DESCRIPTION OF ADVERSE EVENTS IN HELICOPTER EMERGENCY MEDICAL SERVICES IN QATAR

### Quality Results

A trigger rate of 1,1 Triggers per patient encounter was observed. All trigger points fell within the 3-sigma bounds, indicating *Common-Cause* variation. A run test showed 4 out of 5 counts were within 1 standard deviation from the center line for the months August 2017- January 2018 (*Figure S1, supplementary file*). Furthermore, a rate of 24,3 Potentially Harmful Events per 100 patient encounters (24,3%) was observed. All *Potential Harm* points fell within the 3-Sigma bounds, indicating *Common-Cause* variation. No trends were observed (*Figure S2, supplementary file*). Moreover, a rate of 3,5 Confirmed Harmful Events per 100 patient encounters (3,5%) was observed. One Confirmed Harm point fell beyond the 3-sigma bounds. This indicates *Special-Cause* variation, and therefore indicates an unstable process that is “out of control”. A runs test showed 4 out of 5 counts were within 1 standard deviation from the center line for the months August 2017- January 2018 (*Figure S3, supplementary file*). Finally, a Combined AE rate of 27,7 AEs per 100 patient encounters (27,7%) was realized. All points fell within the 3-sigma bounds indicating *Common-Cause* variation, and no trends were observed (*Figure S4, supplementary file*).

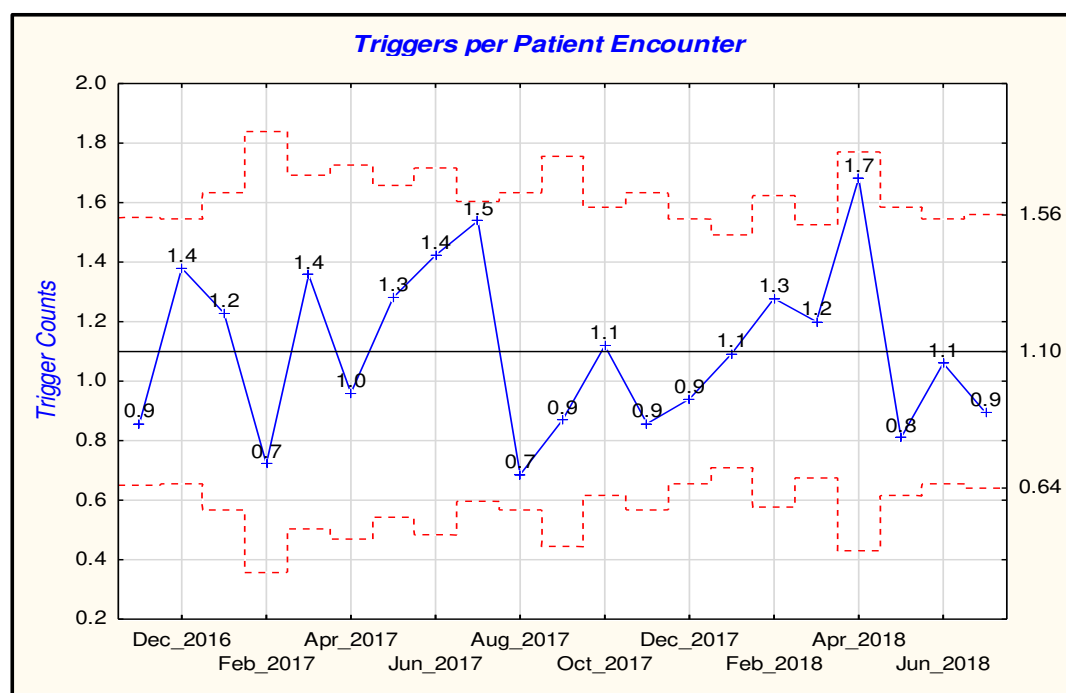


Figure S1 Triggers per Patient Encounter

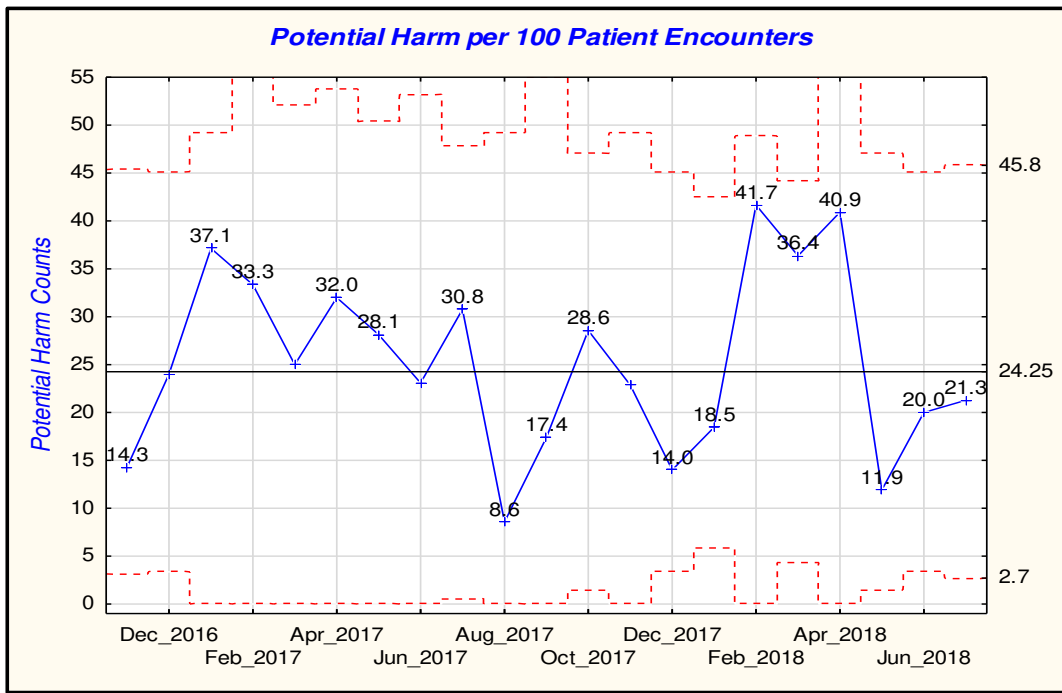


Figure S2 Potential Harm per 100 Patient Encounters

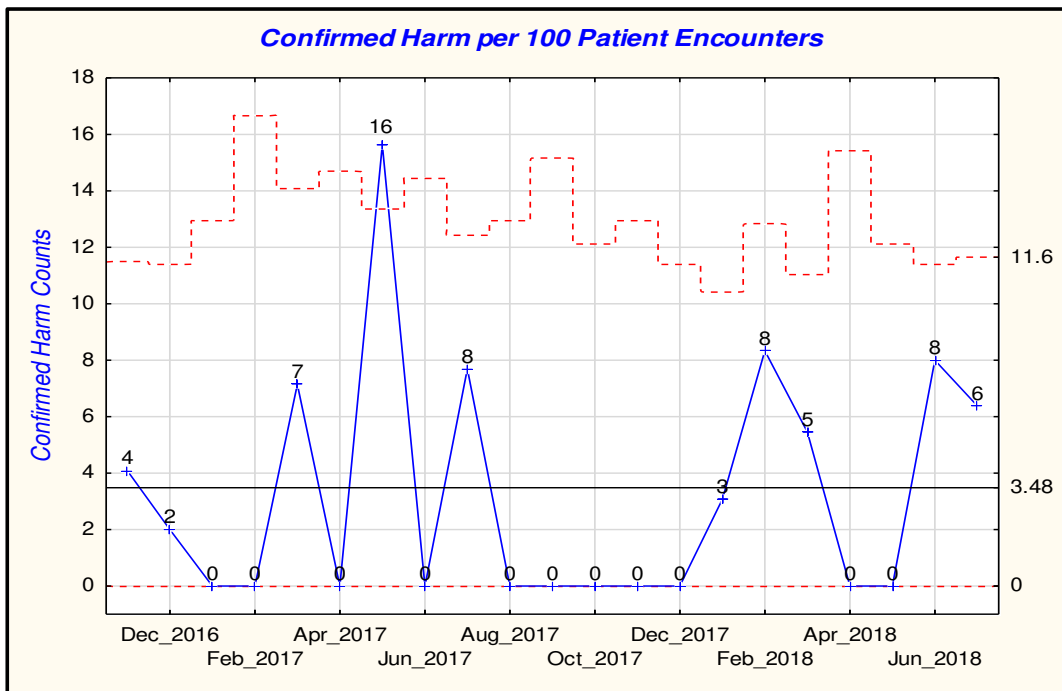
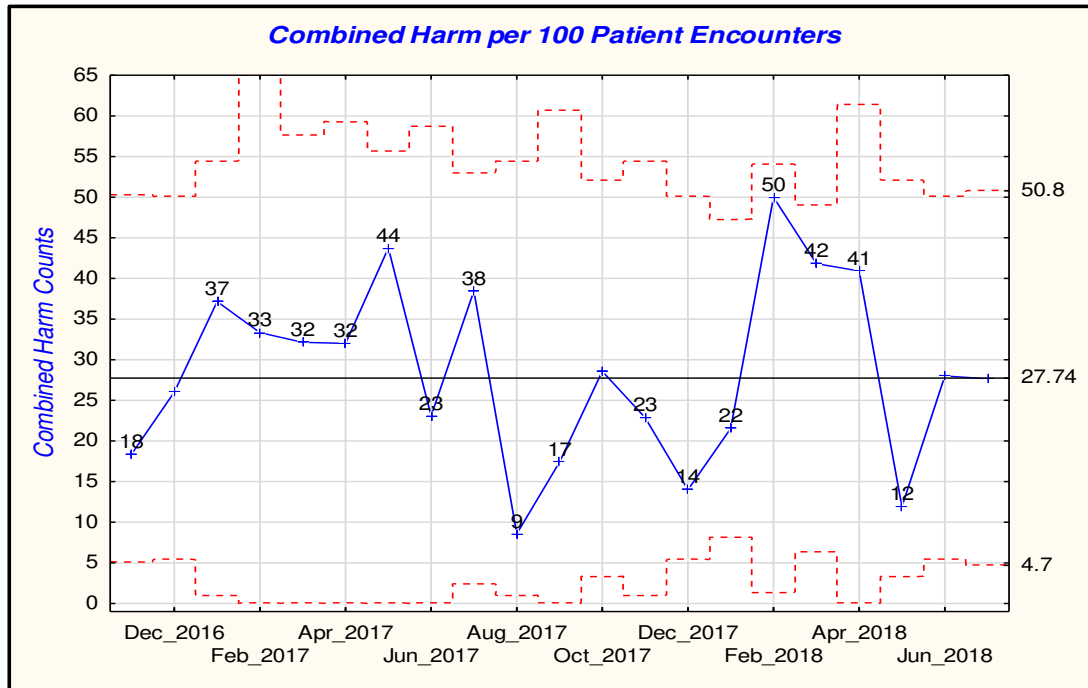


Figure S3 Confirmed Harm per 100 Patient Encounters



**Figure S4** Combined Adverse Events per 100 Patient Encounters