**Trigger Project Codes/Data**

**Code:**

*TriggerProject\_JC\_MixedEffects.doc* – code to do mixed effects analysis using MA and missed ASM doses as regressors, with seizure occurrence as the response variable.

*TriggerProject\_JC\_MixedEffects\_AdjustWindow.doc* – similar to the above, but with an added section of code that allows for adjustment of window length for missed ASM doses.

*TriggerProject\_JC\_MixedEffects\_HalfLives.doc* – accounts for half lives of missed ASMs rather than just missed doses.

*TriggerProject\_JC\_Sensitivity.doc* – allows for the simulation of seizures following missed ASM doses to test the sensitivity of the mixed effects analysis.

**Final input data:**

*DataTable\_MixedEffects.xlsx* – excel file containing the final formatted data of seizure occurrence, MA, missed ASM doses the day prior, and participant labels prior to the application of mixed effects analysis.

*DataTable\_MixedEffects\_HalfLives.xlsx* – similar to the above, but accounting for ASM half lives.

**Statistics tables:**

*LME\_Coefficients.xlsx* – Stats from the mixed effects analysis

*LME\_Coefficients\_Window#.xlsx* – 6 additional statistics files, corresponding to the window length of the missed ASM doses. I.e., LME\_Coefficients\_Window7 corresponds to using a window length of 7 days prior.

*LME\_Coefficients\_HalfLives.xlsx* – Statistics table when accounting for ASM half lives

*Pvalues\_#\_sensitivity.xlsx* – P-values from the 10 iterations of running the mixed-effects analysis after simulating seizure timeseries with probability *p*. The first column corresponds to missed ASM doses, whereas the second column corresponds to MA. Files are in ascending *p* from (01, 05, 1, 25, 50, 75 corresponding to *p* = 0.01, 0.05, 0.1, 0.25, 0.5, and 0.75).

*Coeff\_#\_sensitivity.xlsx* – Regression co-efficients from the 10 iterations of running the mixed-effects analysis after simulating seizure timeseries with probability *p*. The first column corresponds to missed ASM doses, whereas the second column corresponds to MA. Files are in ascending *p* from (01, 05, 1, 25, 50, 75 corresponding to *p* = 0.01, 0.05, 0.1, 0.25, 0.5, and 0.75).