Names of Files with brief descriptions:

**ScriptFigure2A.m**

Using Design\_traj\_plotdatesData.xlsx as input, generates Figure 2A for visits at all time points in Matlab

**ScriptFigure2B.m**

This file creates 95% confidence interval of probabilities of any symptoms at 0,90,180,270,360 days from baseline. This file also uses the function meanciplot.m

**ScriptFigure2C.m**

This file makes barplots of Prevalence calculated using Medcalc software.

**ScriptFigure2D.m**

This file makes heatmap of probability of presence of a symptom at a particular visit for individuals in either the long or short COVID trajectory groups

**Input Data for Figure 2 (These data files have IDs)**

**Design\_traj\_plotdatesData.xlsx**

Design file obtained from combining different visits data. This is an input file in all the scripts in Matlab

**traj\_classes13042022.xlsx**

Combined output of classes obtained from MPLUS scripts to classify estimated probabilities of any and specific symptoms. This is an additional input to generate Figures 2B-D in Matlab.

**Files for classification in MPLUSFIlesforTrajectoryClasses which will form input data traj\_classes13042022.xlsx**

**GenerateEstimatedProbabilitiesAnysymptoms.m**

Generates probabilities of any symptoms at [0,90,180,270,360] days using Generalized Linear Model with ‘Probit’ Link function in Matlab.

**GenerateEstimatedProbabilitiesSpecificsymptoms.m**

Generates probabilities of specific symptoms at [0,90,180,270,360] days using Generalized Linear Model with ‘Probit’ Link function in Matlab.

**\*.csv**

Output file from the file GenerateEstimatedProbabilitiesAnysymptoms.m This file serves as input to MPLUS script for classification of Probabilities of any symptom. **These files have IDs**

**TrajectoryClassification.inp**

Script in MPLUS to derive trajectory classification. Change input file name \*.csv file as input file and optimize parameters like BIC, random starts etc.to get optimum classes. This method can also be applied in R by using the input files\*.csv with estimated probabilities at [0, 90, 180,270,360] days from the onset of symptoms..(<https://psyarxiv.com/m58wx/> )