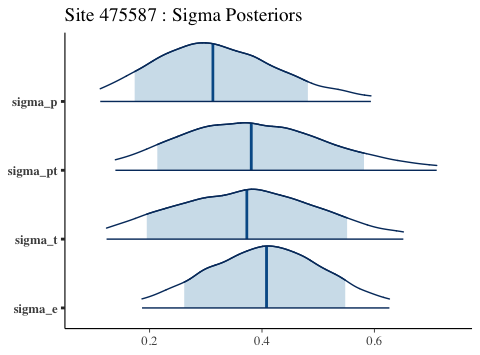
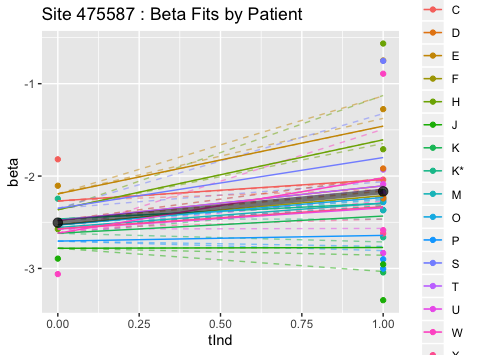
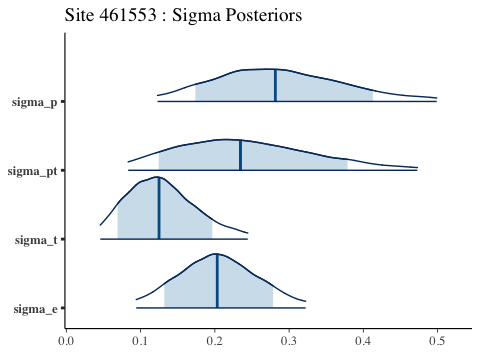
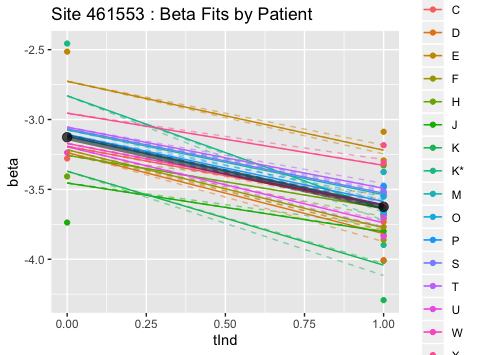
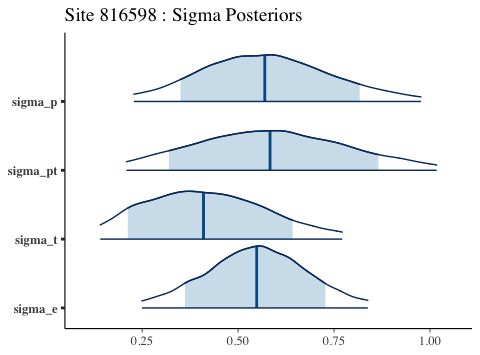
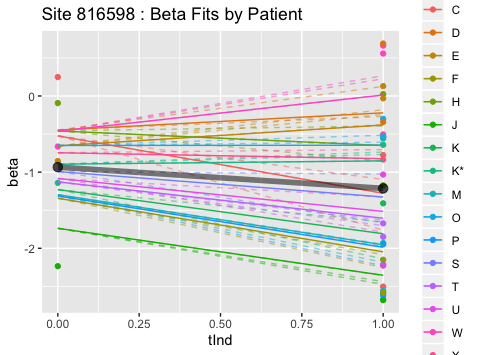
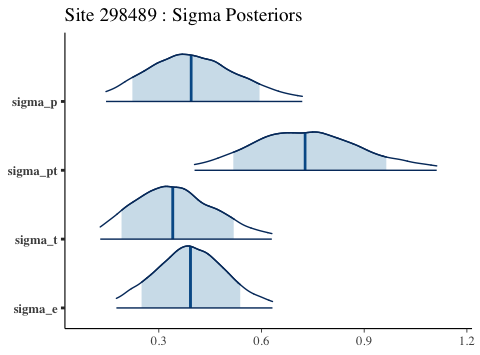
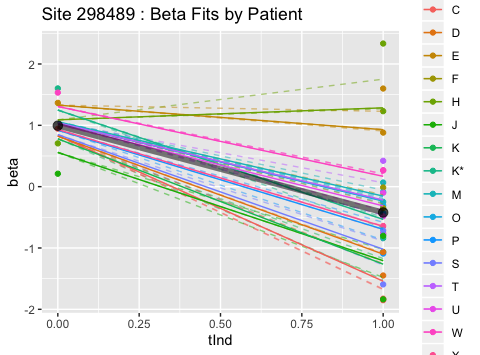
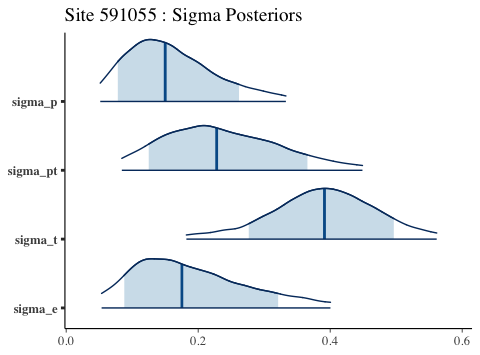
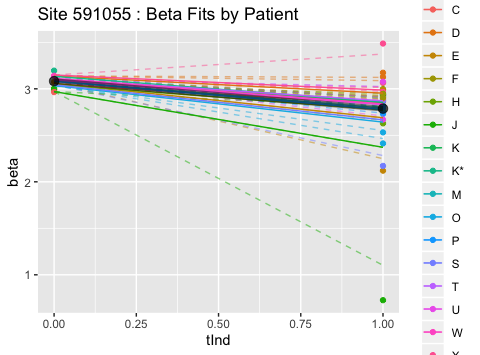
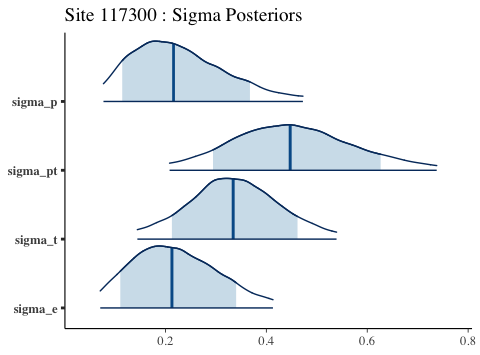
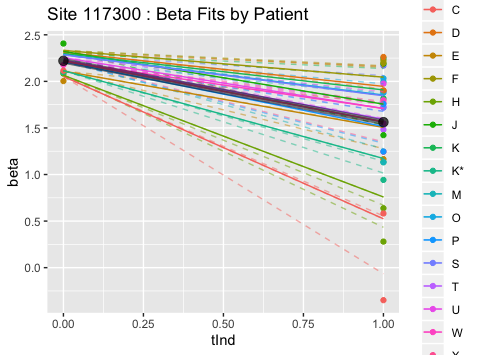
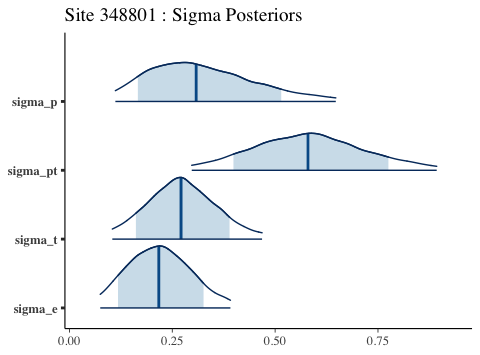
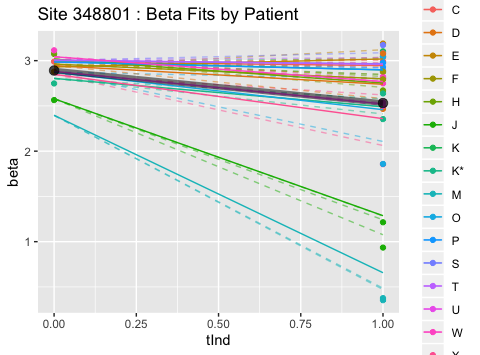
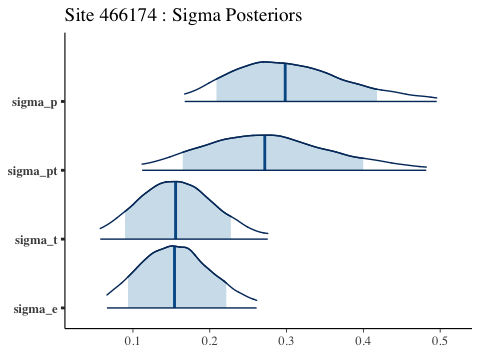
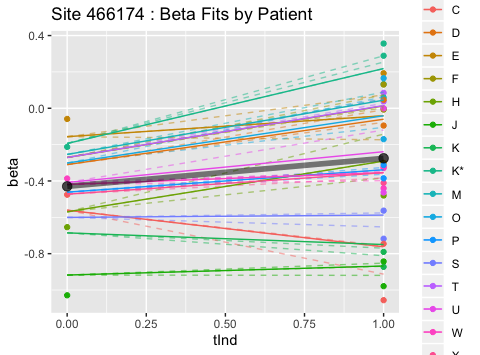
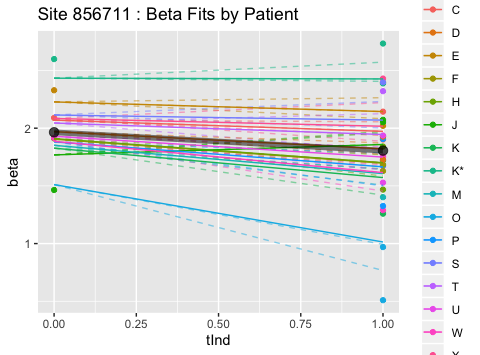
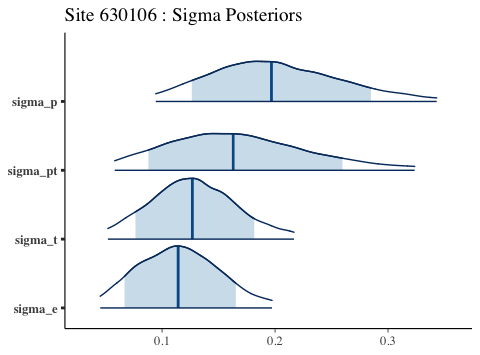
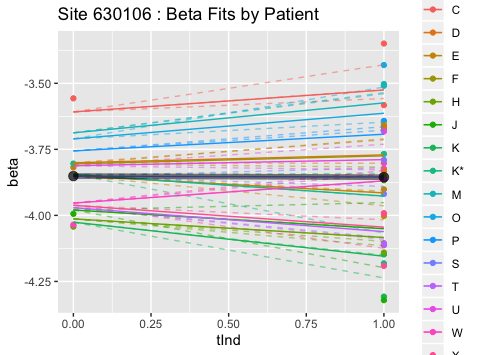
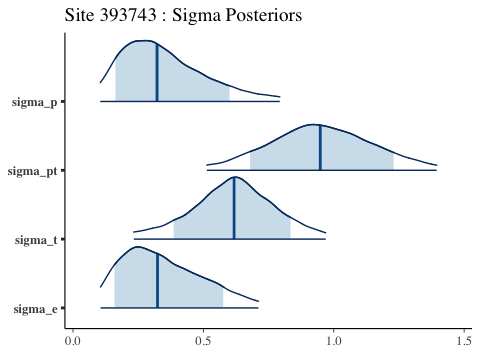
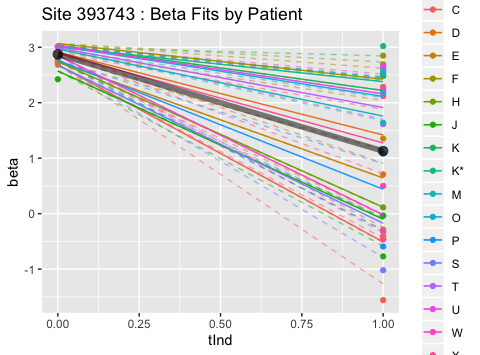
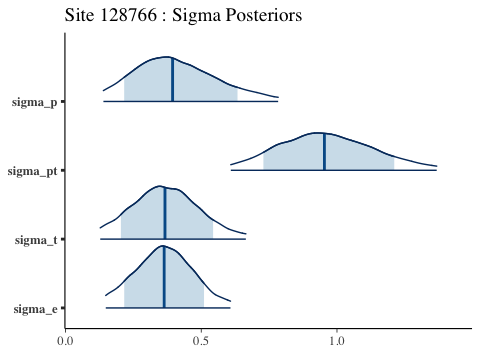
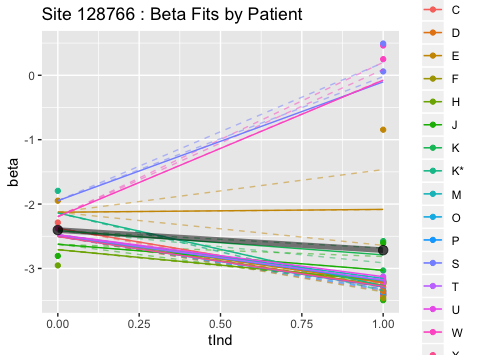
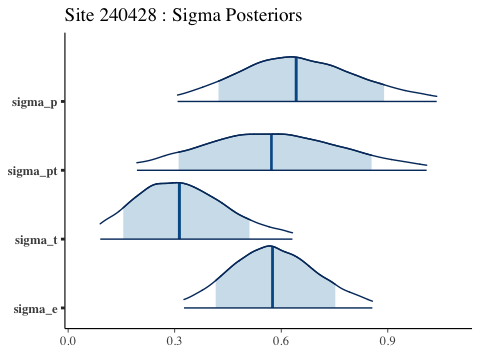
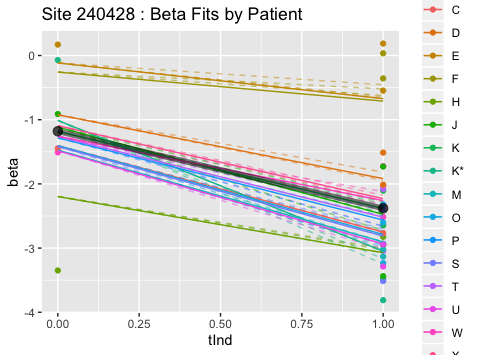
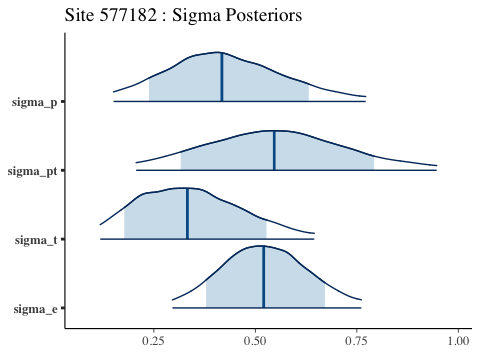
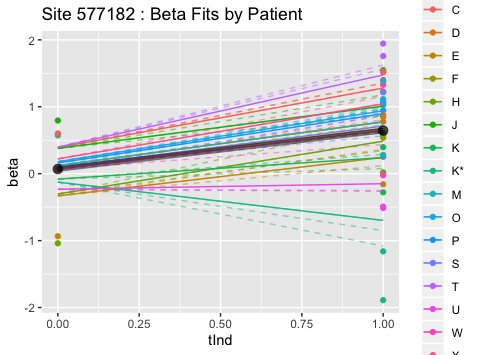
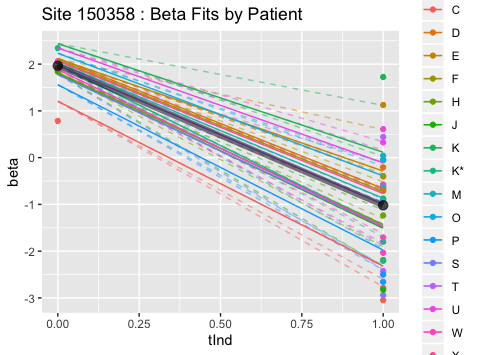
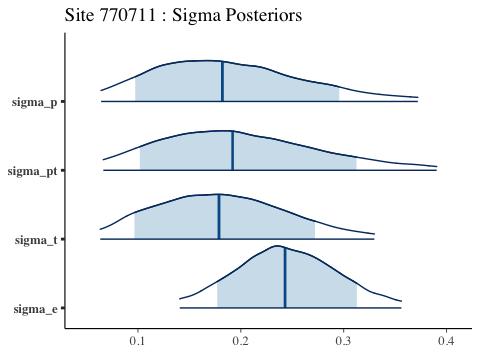
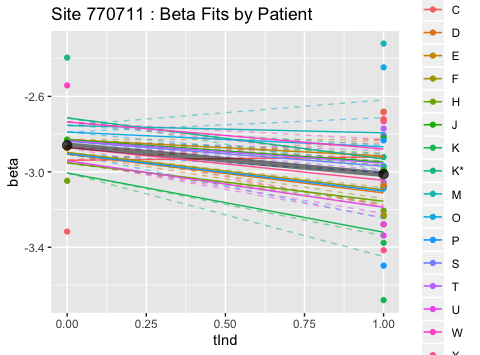
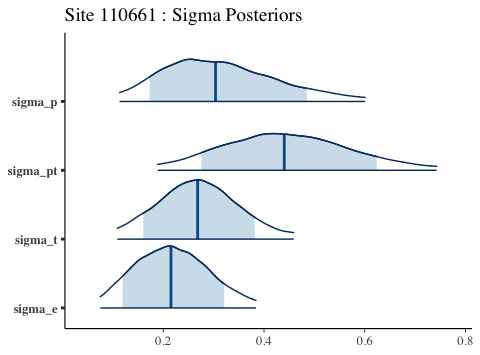
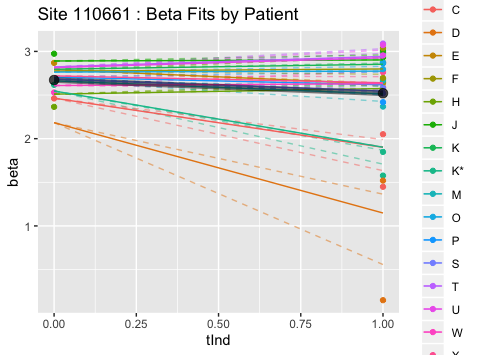
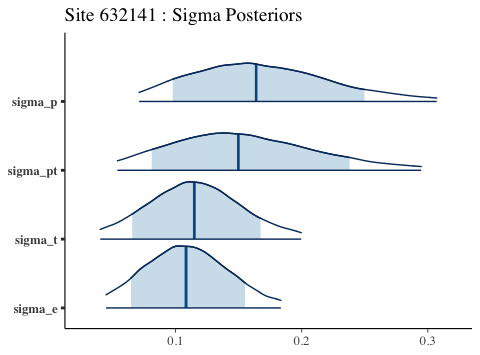
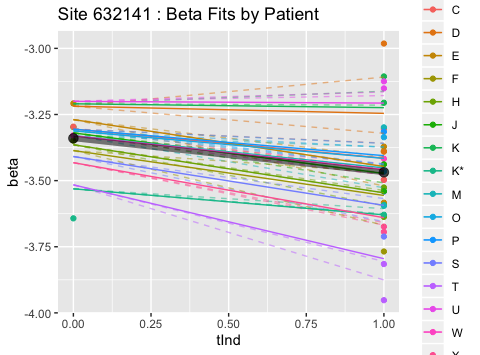
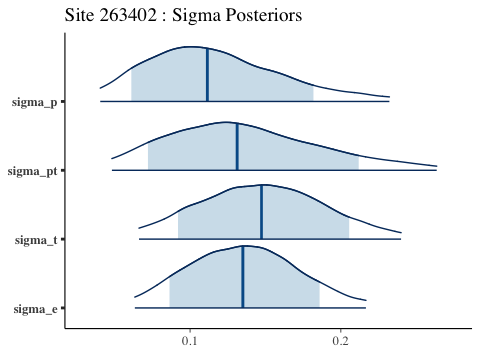
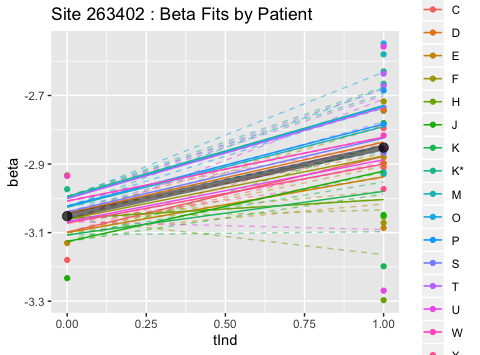
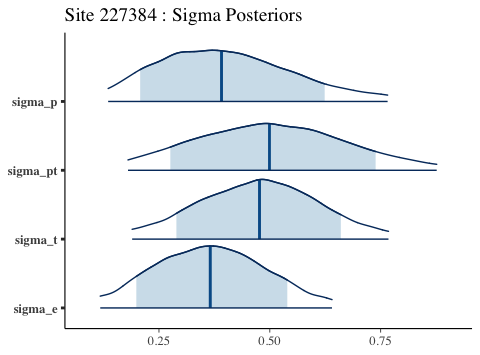
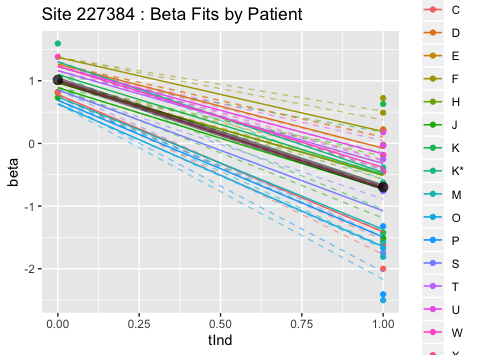
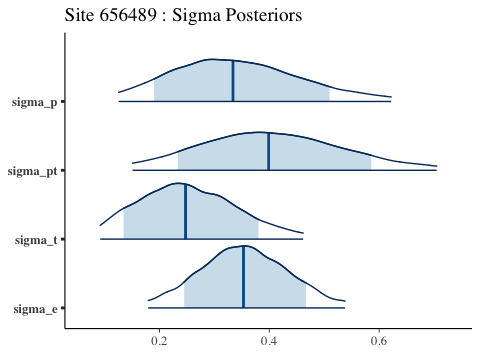
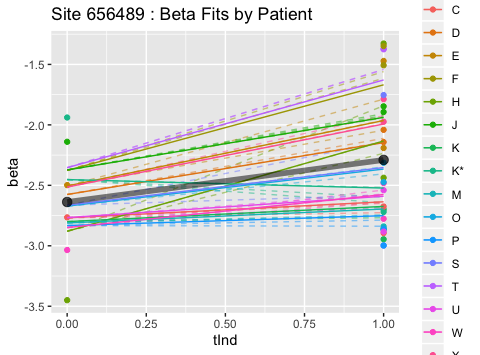
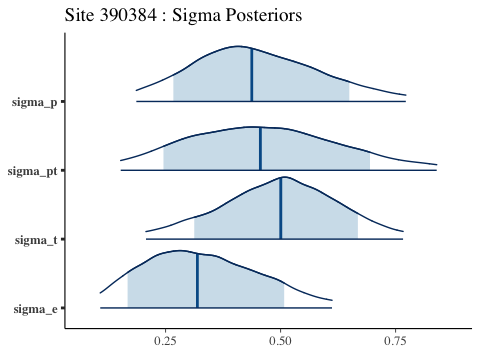
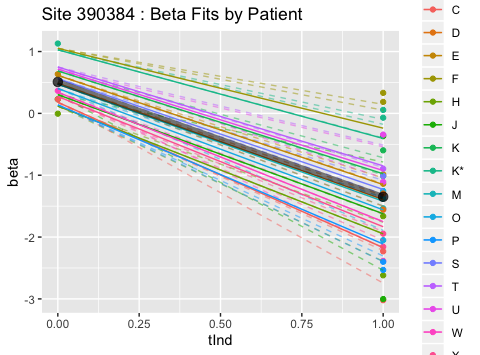
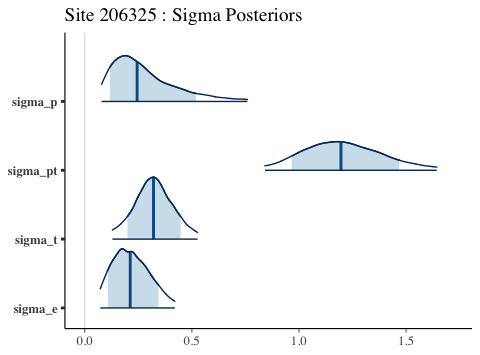
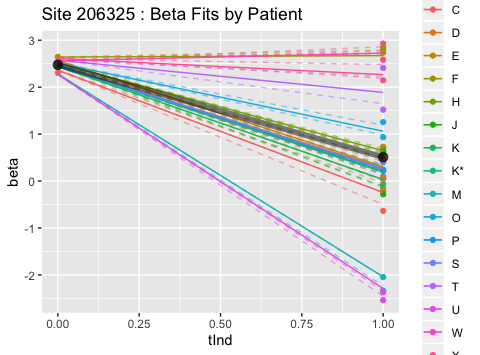
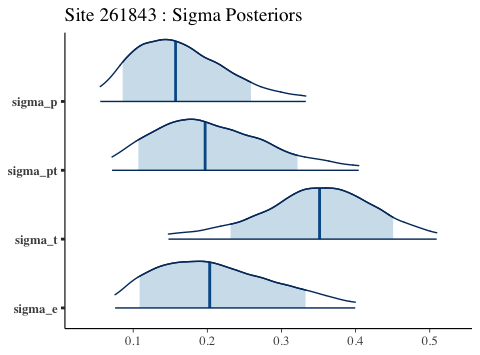
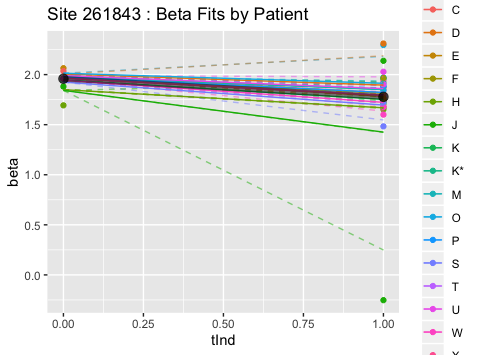
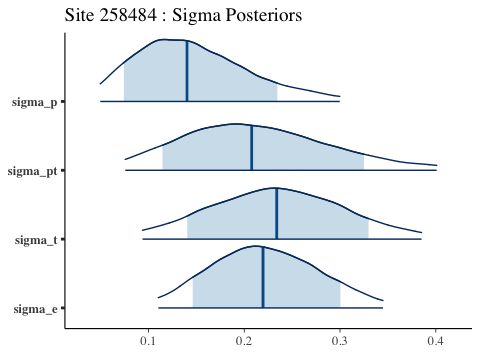
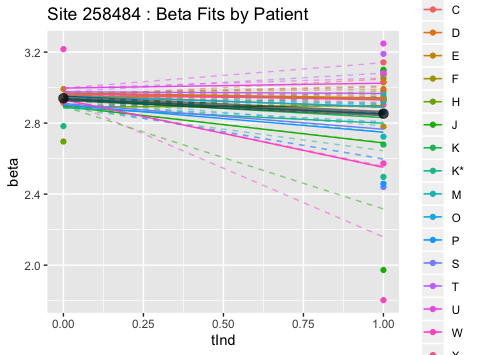
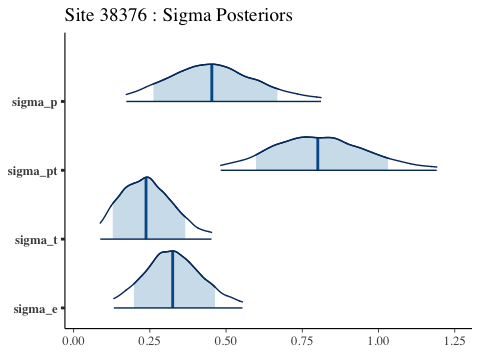
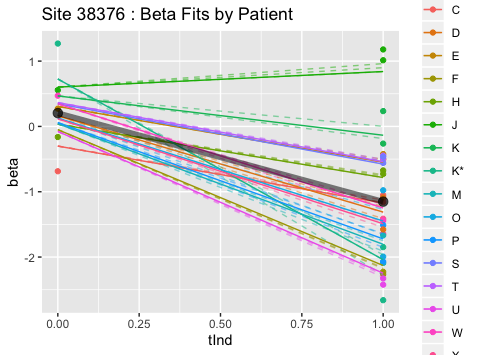
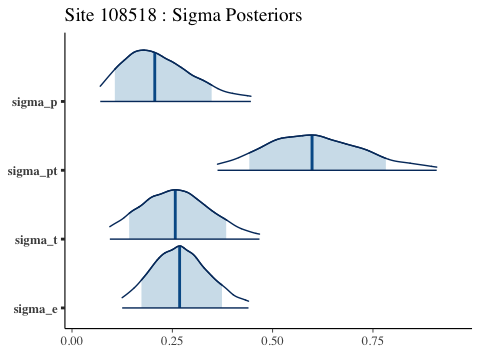
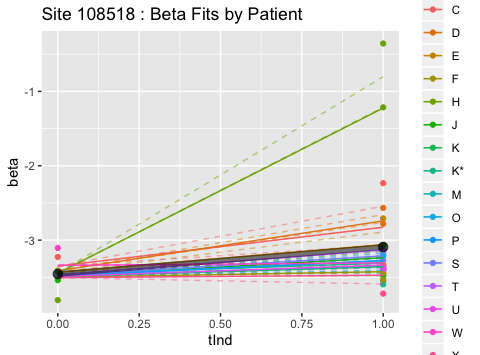
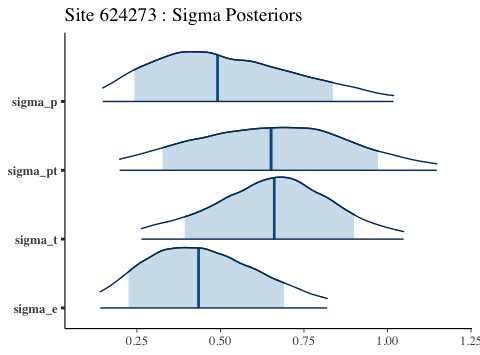
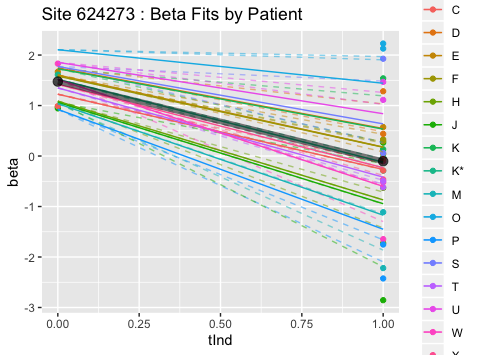
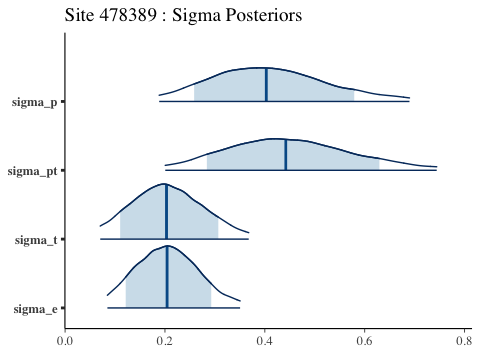
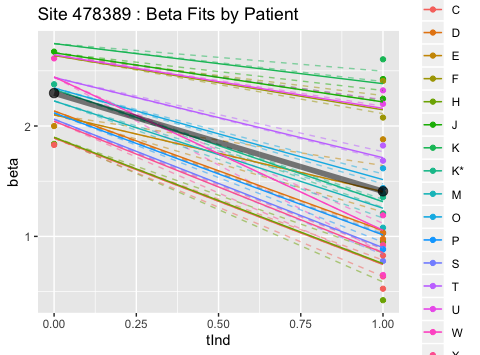
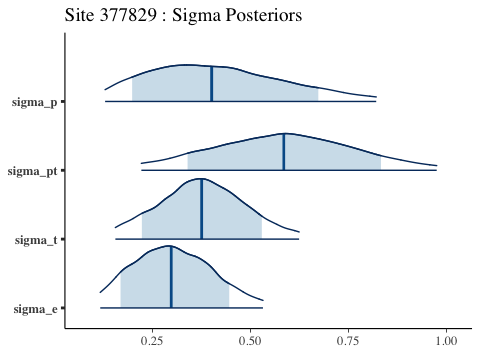
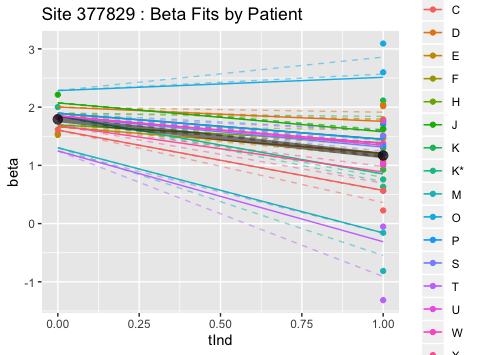
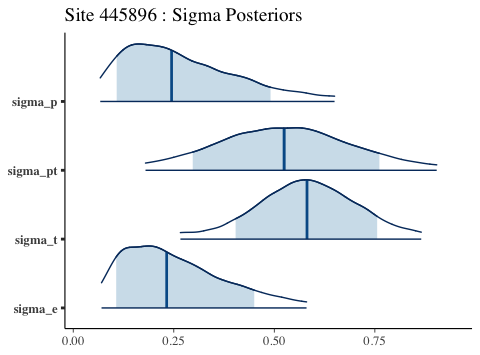
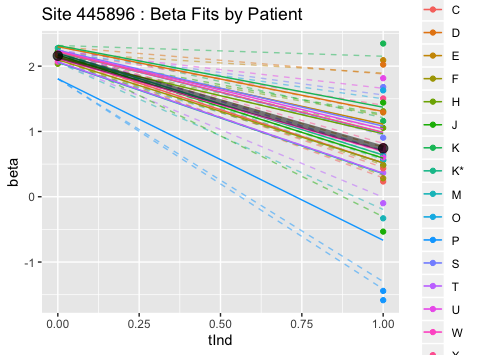
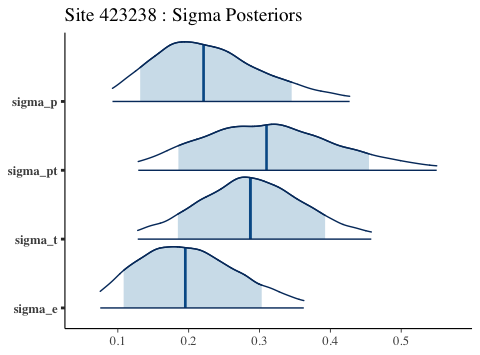
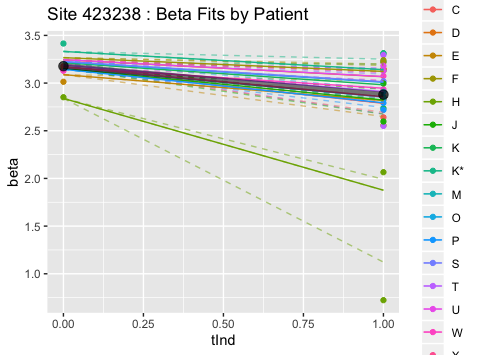
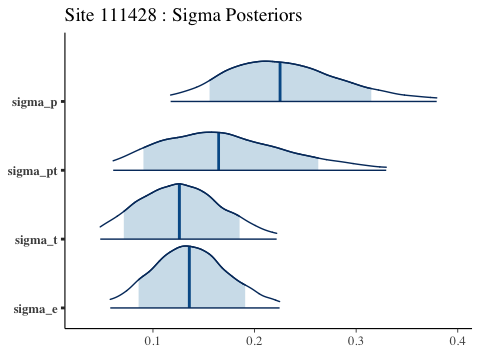
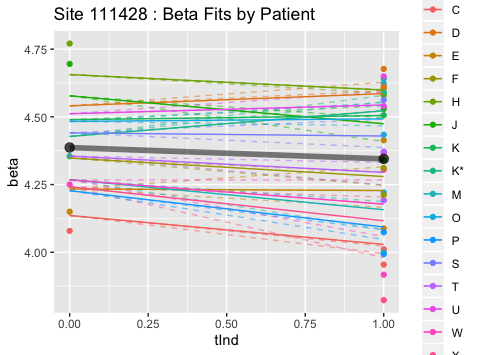
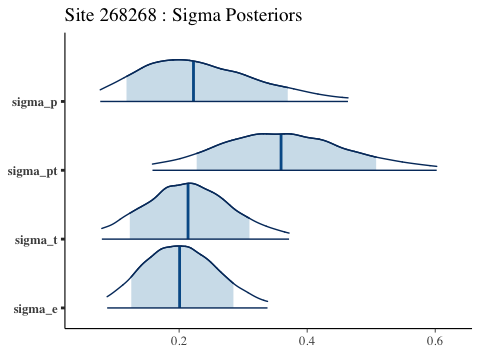
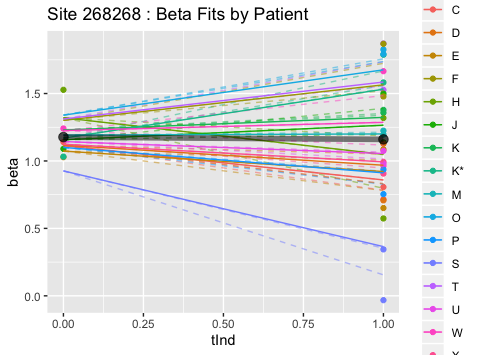
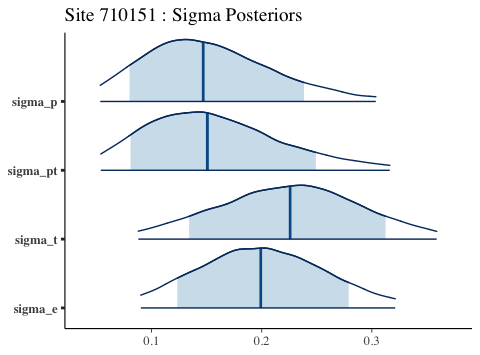
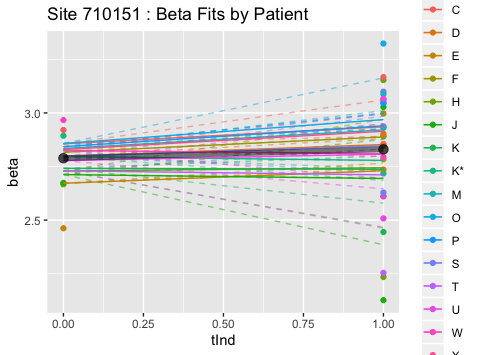
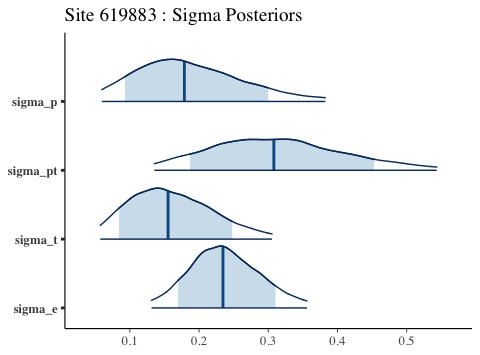
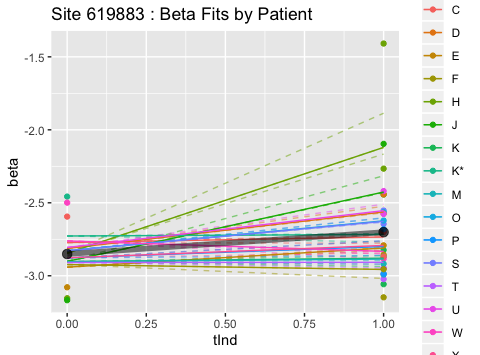
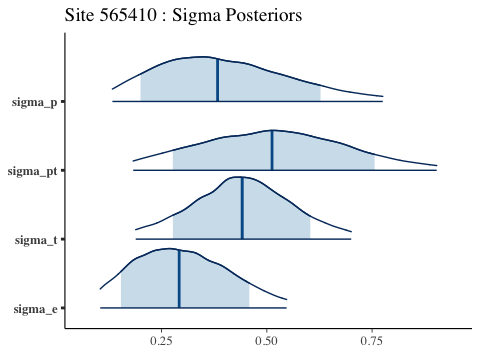
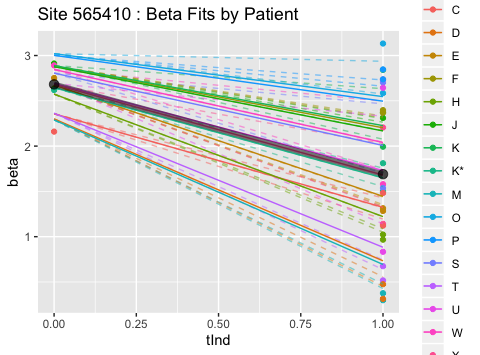
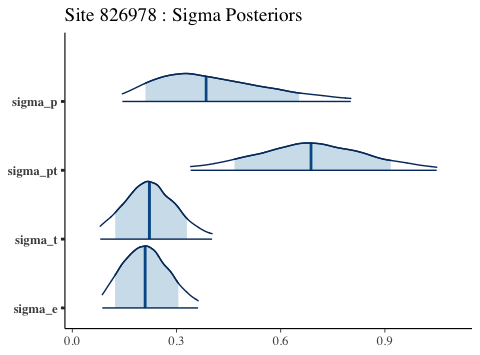
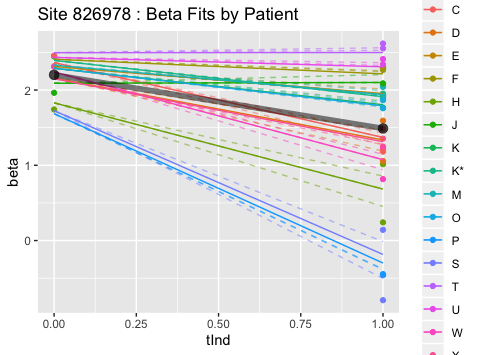
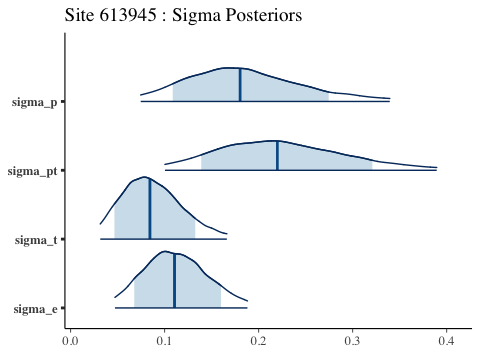
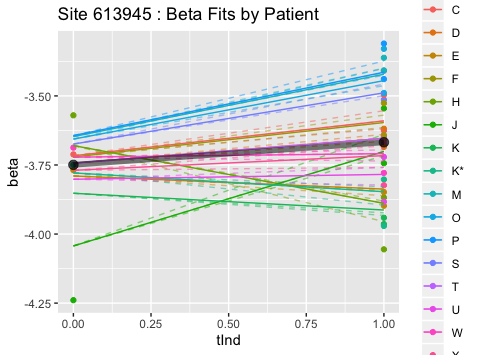
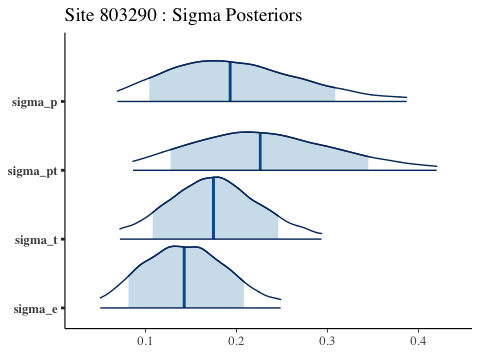
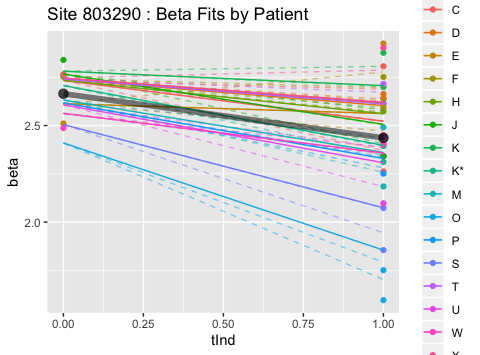
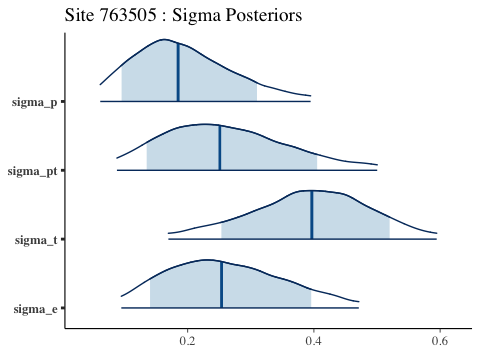
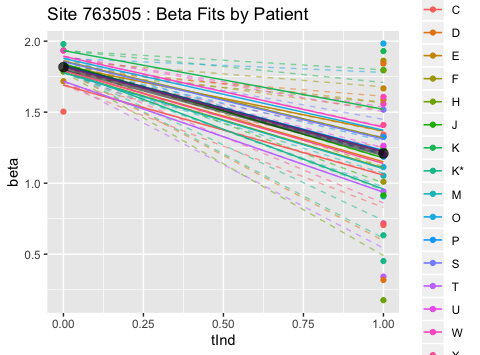
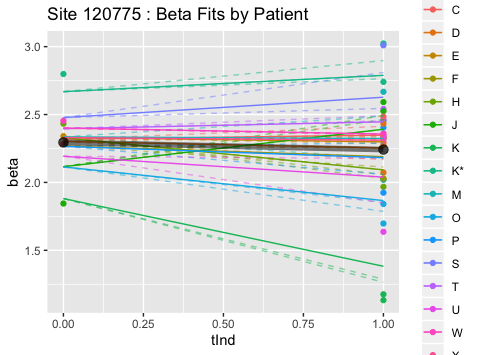
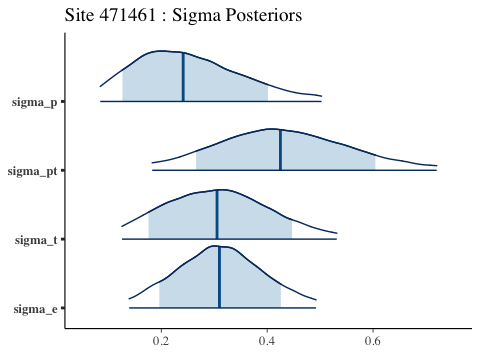
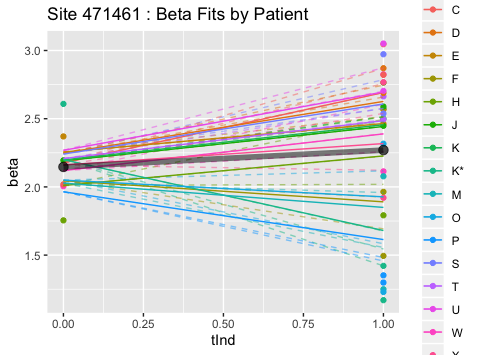
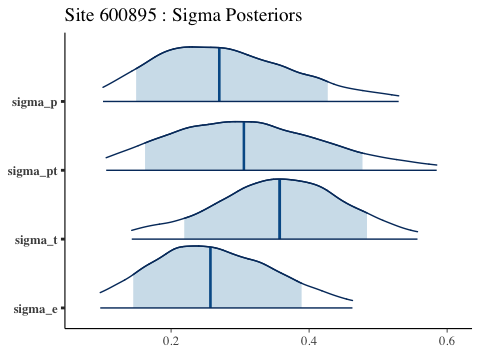
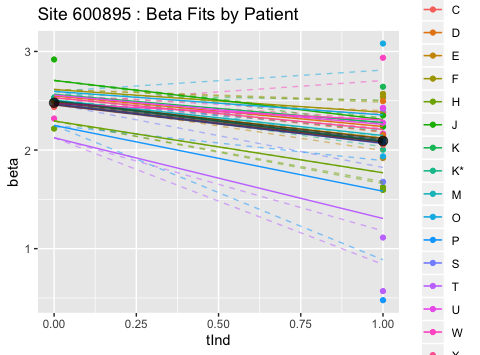
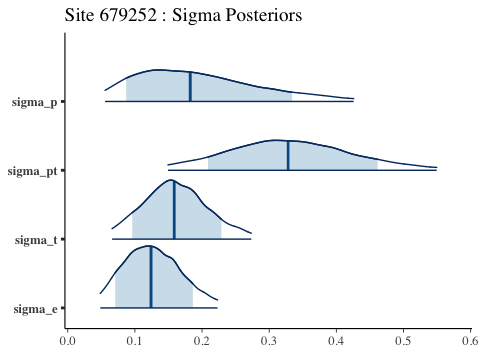
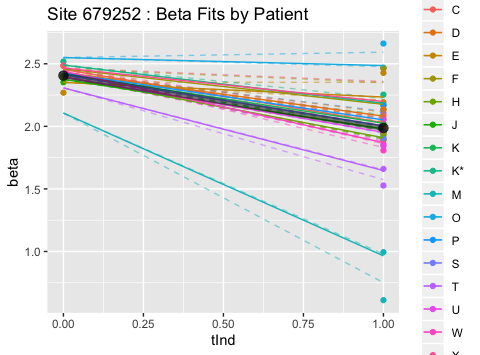
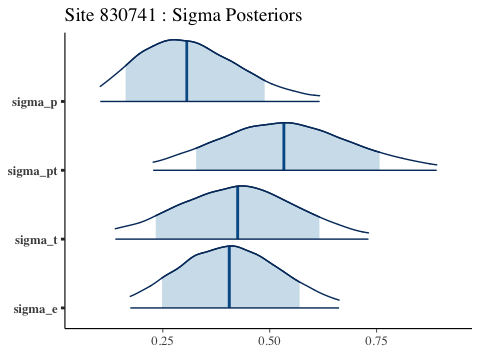
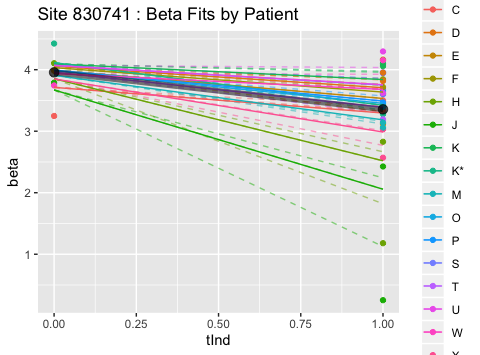
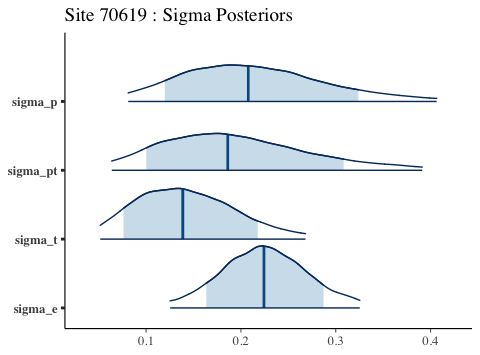
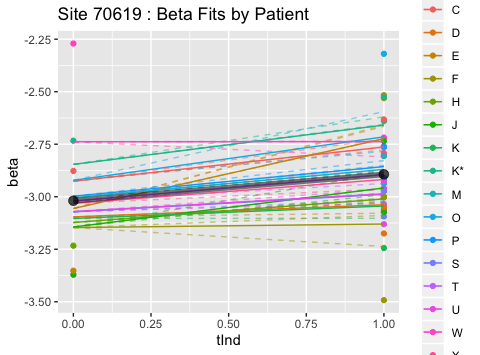
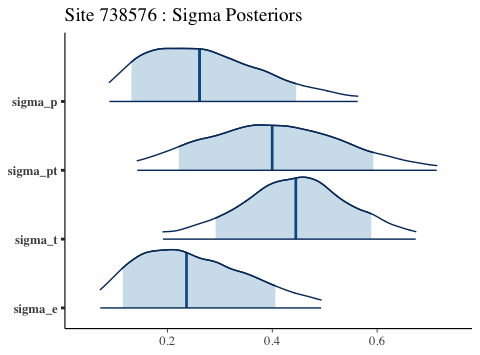
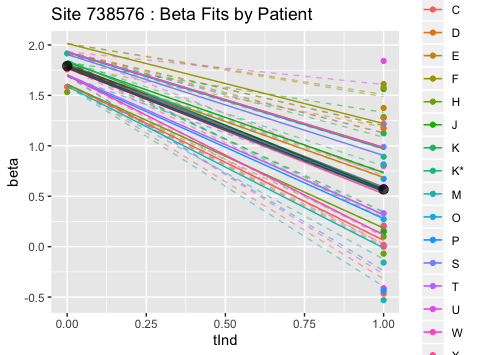
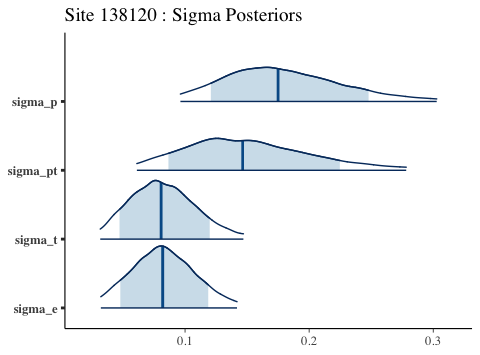
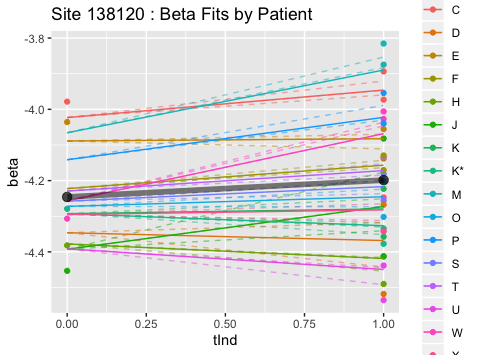
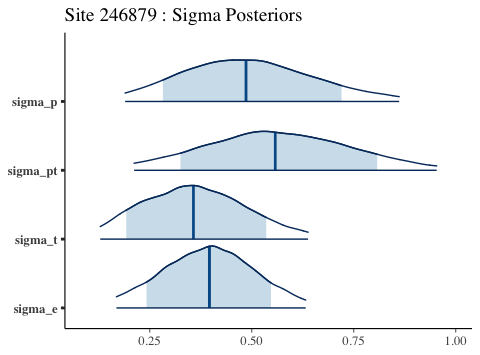
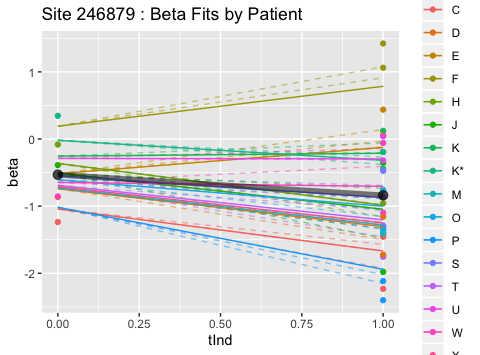
50sites

Yanlin Ma + Kevin Murgas

February 11, 2018

Model 3:



## user system elapsed   
## 2089.505 24.647 2126.606

## [1] "Completed run on sites: 246879 138120 738576 70619 830741 679252 600895 471461 120775 763505 803290 613945 826978 565410 619883 710151 268268 111428 423238 445896 377829 478389 624273 108518 38376 258484 261843 206325 390384 656489 227384 263402 632141 110661 770711 150358 577182 240428 128766 393743 630106 856711 466174 348801 117300 591055 298489 816598 461553 475587"