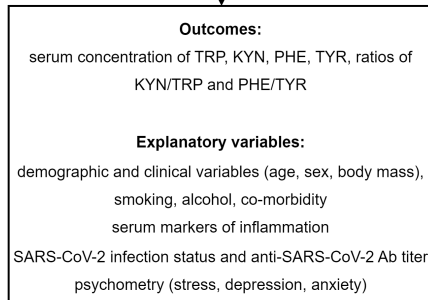


**SIMMUN**  
enrolled: n = 215



excluded due to study  
variable missingness  
n = 50

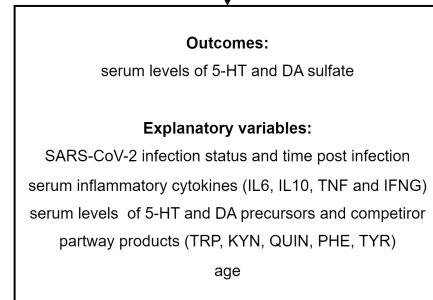
**SIMMUN**  
analysis dataset: n = 165

Identification of demographic, clinical, inflammatory, SARS-CoV-related and mental health factors that influence the serum metabolite levels

Multi-parameter linear modeling  
(backward elimination)

Univariable analysis (correlation,  
statistical hypothesis testing) of  
explanatory factors identified by linear  
modeling

**INCOV**  
enrolled: n = 645



excluded due to study  
variable missingness  
n = 291

**INCOV**  
analysis dataset: n = 354

Impact of SARS-CoV-2 infection, systemic inflammation,  
precursors and competitor pathway metabolite levels on the  
serum levels of 5-HT and DA sulfate

Multi-parameter robust linear modeling

Time course robust linear modeling  
and correlation analysis of metabolites  
and inflammatory cytokines