

Supplementary table 1. Type of variable for each factor has been defined.

Variable	Type
Age	Discrete
Gender	Categorical
Marital.Status	Categorical
Height	Discrete
Weight	Discrete
Education	Categorical
Trip	Categorical
WhereTrip	Categorical
PublicTransportation	Categorical
ContactWithPatients	Categorical
GoToHospital	Categorical
Hypertension	Categorical
Diabetes	Categorical
CVD	Categorical
Angiography	Categorical
Stent	Categorical
CABG	Categorical
MI	Categorical
BrainStroke	Categorical
LungDisease	Categorical
COPD	Categorical
Asthma	Categorical
Allergy	Categorical
Janbaz	Categorical
Kidney.Disease	Categorical
Dialysis	Categorical
KidneyTransplant	Categorical
Liver.DIS	Categorical
Cancer	Categorical
Chemotherapy	Categorical
BoneMarrowTransplant	Categorical
Rheumatism	Categorical
Smoking	Categorical
Helian	Categorical
Alcohol	Categorical
Corticosteroid	Categorical
Other.Dis	Categorical
Negarani.ezterab	Categorical
Negaran.Ebtela.seraiat.be.digaran	Categorical

raftarhaie.vasvasi	Categorical
Sleep.disorder	Categorical
Sabeghe.ghabli.ravanpezeshki	Categorical
Tempreture	Continues
RespiratoryRate	Discrete
O2Sat	Discrete
Cough	Categorical
Dyspenea	Categorical
ChestPain	Categorical
Headache	Categorical
Dizziness	Categorical
Weakness	Categorical
Myalgia	Categorical
Chill	Categorical
Rhinorrhea	Categorical
SoreThroat	Categorical
Diarehea	Categorical
Vomiting	Categorical
Spectulation	Categorical
hemoptysis	Categorical
Olfactory	Categorical
TasteSense	Categorical
Earache	Categorical
Asymptomatic	Categorical
PCR	Categorical
TraditionalMedicine	Categorical
HospitalStay	Categorical
Discharge	Categorical
Death	Categorical
Qarantine	Categorical
Blood.group	Categorical
Readmission	Categorical
Sport	Categorical
WBC	Continues
RBC	Continues
HB	Continues
HCT	Continues
MCV	Continues
MCH	Continues
MCHC	Continues
Plateletes	Discrete
RDW	Continues
Poly	Continues

Lymph	Continues
MPV	Continues
ESR	Discrete
BS	Discrete
BloodUreaNitrogen	Discrete
Creatinine	Continues
SGOT	Discrete
SGPT	Discrete
ALK	Discrete
CPK	Discrete
LDH	Discrete
NA	Discrete
PotassiumK	Continues
CRP	Continues
ProthrombineTime	Continues
PTINR	Continues
PTTPatientTime	Discrete
troponin	Continues
lactate	Continues