

Precaution (pName)

Prevent (pName, vName)

pName ref Precaution

vName ref Virus

Medium (mName, Contagious_Level)

Patient (Nationality, National ID, Name, Gender, Age)

Vaccination (rName, iName, Code, Currency, Price)

rName iName ref Research_Institute

Incur (vName, sName)

vName ref virus

sName ref symptom

Symptom (sName, Description)

Virus(vName, Type, Danger_Degree, Annotation)

Region (rName)

Institute (rName, iName, Address)

rName ref Region

Hospital (rName, iName, Address)

rName, iName, Address ref Institute

Research_Institute (rName, iName, Address)

rName, iName, Address ref Institute

Infect (vName, Nationality, National ID, State, BeginTime, EndTime)

vName ref Virus,

Nationality, Nation ID ref Patient

Closed Border (R1rName, R2rName, Begin Time, End Time)

R1rName ref region

R2rName ref region

Exhibit (sName, Nationality, National ID)

Nationality, National_ID ref Patient

sName ref Symptom

Spread (vName, mName)

vName ref Virus

mName ref Medium

Apply (rName, pName, Begin_Time, End_Time)

rName ref Region

pName ref Precaution

Accommodate (Nationality, National_ID, iName, rName, Begin_Time, End_Time)

Nationality, National_ID ref Patient

iName, rName ref Hospital