

Relational model: Blood donation system

Saving blood (CID, CEO, branch)

FK: (branch)  $\subseteq$  Branch (branch number)

Hospital (name)

Blood Bank (bank id, capacity, used place)

Person (pass, phone, name)

Donor (pass, med. card)

FK: (pass)  $\subseteq$  Person(pass)

Invite (donor, invited donor)

FK: (donor)  $\subseteq$  Donor (med. card)

FK: (invited donor)  $\subseteq$  Donor (med. card)

Doctor (pass, worker id)

FK: (pass)  $\subseteq$  Person(pass)

Branch (branch number, bank, hospital, city, street, zip):

FK: (bank)  $\subseteq$  Blood bank (bank id)

FK: (hospital)  $\subseteq$  Hospital (name)

Transfer (hospital, bank):

FK: (bank)  $\subseteq$  Blood bank (bank id)

FK: (hospital)  $\subseteq$  Hospital (name)

Workplace (worker id, branch):

FK: (worker id)  $\subseteq$  Doctor (worker id)

FK: (branch)  $\subseteq$  Branch (branch number)

Blood (blood id, doctor, donor, bank, day, month, year, Rh, group)

FK: (doctor)  $\subseteq$  Doctor (worker id)

FK: (donor)  $\subseteq$  Donor (med. card)

FK: (bank)  $\subseteq$  Blood bank (bank id)

Blood donation (donor, doctor, day, month, year, blood id)

FK: (doctor)  $\subseteq$  Doctor (worker id)

FK: (donor)  $\subseteq$  Donor (med. card)

FK: (day, month, year, blood id)  $\subseteq$  Blood (blood id, day, month, year)

