





## Assumptions

- Since one family owns one Medicare card and shares one address, the concept of family could be merged with Medicare card as one entity.
- The valid date of the card only presents month and year while the type 'DATE' also has a 'day' entry. While inputting data, the 'day' could be entered as 01.
- The entity 'Allergy' implies the general knowledge of which allergy the patient has, while 'AllergyEvent' represents one event when the patient has an allergy reaction.
- The 'Type' attribute of 'Vaccine' could be 'mandatory' or 'optional'. The 'Type' attribute of 'Donation' could be 'organ' or 'tissue'.
- Since the birth date of patients and whether the vaccine took is mandatory are both recorded, the DHHS could identify if any child under 15 who has not received any of the mandatory vaccinations by manipulating the record table. This also applies to recording whether patients are over 16 and are eligible for organ donations. This is to avoid redundancy.
- The entity 'Donation' refers to one time of organ donation event. Therefore one eligible patient is allowed to have 0 to many donations, regardless the item is organ or tissue.