

1. Functional Dependencies

LPeople

$\text{Pid} \rightarrow \text{First_Name}, \text{Last_Name}, \text{Address}, \text{Phone_Number}, \text{Birth_Date}$

Players

$\text{Pid}, \text{AgeGroupid} \rightarrow$

PlaysOn

$\text{Pid}, \text{Tid} \rightarrow$

AgeGroup

$\text{AgeGroupid} \rightarrow \text{Group}$

Teams

$\text{Tid}, (\text{HCid}, \text{AgeGroupid}) \rightarrow \text{Name}$

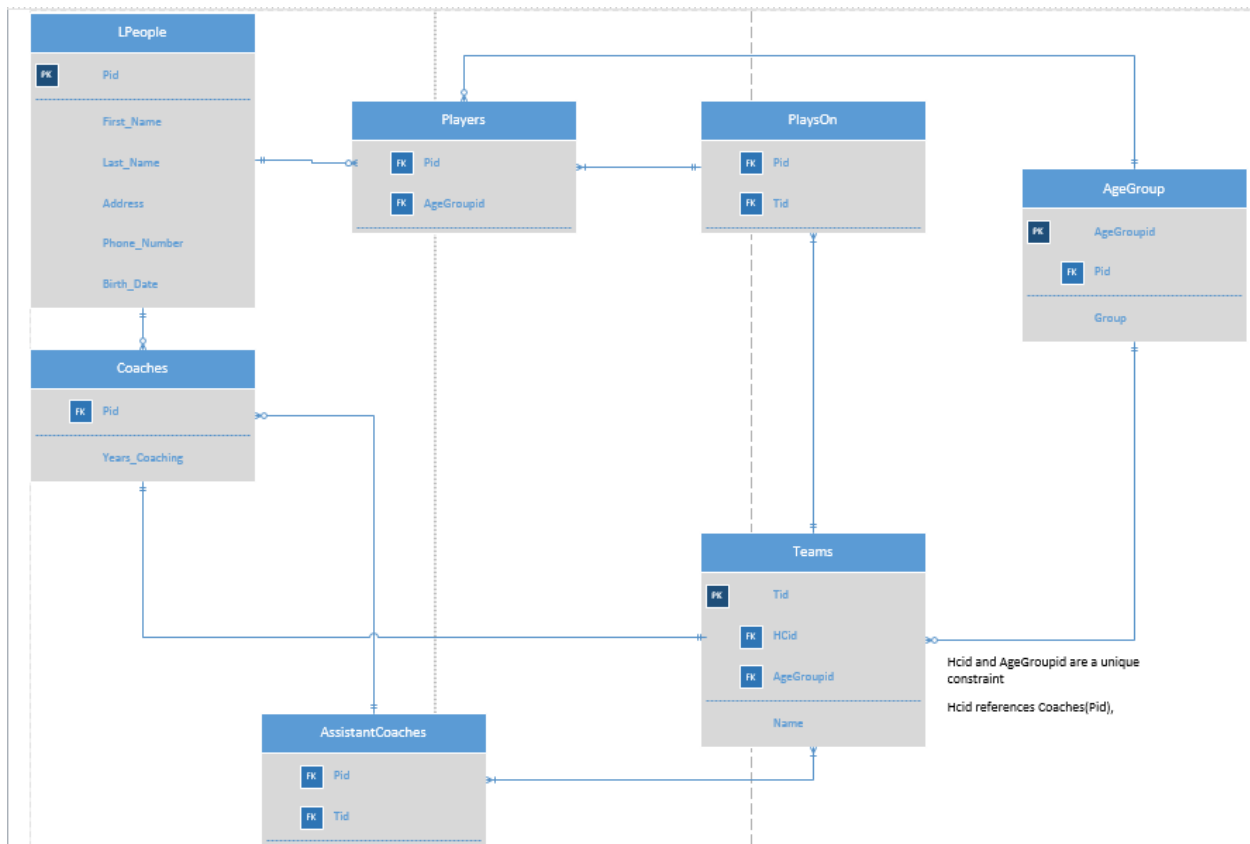
Coaches

$\text{Pid} \rightarrow \text{Year_Coaching}$

AssistantCoaches

$\text{Pid}, \text{Tid} \rightarrow$

2. ER Diagram



3. The tables are in third normal form because the tables are in second normal form and do not have multiple key dependencies.

4.

```
CREATE VIEW Teams
SELECT name
FROM Teams
WHERE AgeGroupid in (
    SELECT AgeGroupid
    FROM AgeGroup
    WHERE Group = "10through14"
);
```