

Solution to Exercise 7: A relational database

Key Point(s):

- A relational database is appropriate when a dataset contains fixed person information (such as age, sex, hair color, and the like and variable information like examination of weight and blood sugar over a variable number of examination visits.
- A unique identifier in the parent file serves as the key connecting the parent file with the child file

Task:

- o Complete the related data set and check it for functionality in the EpiData EntryClient

Solution:

A completed parent and child record set may look as this:

Relational database: Parent file

Unique parent identifier
Patient's age in years
Patient's sex Female

Relational database: Child file

Unique parent identifier
Unique child identifier
Visit date
Systolic blood pressure
Diastolic blood pressure
Plasma glucose in mMol

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