

Solution to Exercise 4: Adding field labels and value labels

Key Point(s):

- A Field label helps the data entry person to become familiar with the definition of the fields.
- A Value label helps the data entry person to see Field values and Value labels. This is particularly helpful when the Field values are numeric.

Task

- o *Revise the A_EX03.QES file, save it as A_EX04.QES, make the REC file, open the A_EX03.CHK file, save it as A_EX04.CHK and make the necessary changes and then enter some made-up data to check the functionality.*

Solution

The data entry form looks as follows (**CTRL+T**):

This is the questionnaire for the laboratory register

serno	Laboratory serial number	<input type="text"/>	Write note (F5) if alternative number must be used
regdate	Registration date	<input type="text"/>	Enter 01/01/1800 if not recorded
sex	Examinee's sex	<input type="text"/>	
age	Examinee's age in years	<input type="text"/>	Enter 999 if not recorded
reason	Examination reason	<input type="text"/>	
res1	Result of specimen 1	<input type="text"/>	
res2	Result of specimen 2	<input type="text"/>	
res3	Result of specimen 3	<input type="text"/>	

You note that in this solution we have added more to the QES file than was asked for in the **Task**: information was written into the QES file to the left of the field, but only for some fields.

When to write instructions into the QES file?

The fields SEX, REASON, RES1, RES2, and RES3 all have Labelblocks. Thus, all the instructions what can be entered are provided. Furthermore, the Value label is written into the space right to the field. There is thus no need to write an instruction nor would it be sensible to do so. On the other hand, the fields SERNO, REGDATE, and AGE do not have Labelblocks and the data entry person will thus not know (before making an error when the message says what is legal) what to do if there is a duplicate SERNO (a non-unique identifier) or if the registration date is missing. It is thus a good idea to provide for fields which do not have Labelblocks instructions directly in the QES file.

And this is the A_EX04.CHK file (**CTRL+O**, pick EpiData check files as Type of files):

```
LABELBLOCK
  LABEL label_sex
    1 Female
```

```

    2 Male
    9 "No sex recorded"
END
LABEL label_reason
    0 Diagnosis
    8 "Follow-up, month not stated"
    9 "Reason not stated"
    1 "Follow-up at 1 month"
    2 "Follow-up at 2 months"
    3 "Follow-up at 3 months"
    4 "Follow-up at 4 months"
    5 "Follow-up at 5 months"
    6 "Follow-up at 6 months"
    7 "Follow-up at 7 months or later"
END
LABEL label_result
    0.0 Negative
    1.0 "1+ positive"
    2.0 "2+ positive"
    3.0 "3+ positive"
    4.0 "4+ positive"
    9.0 "No result recorded"
    5.0 "Positive, not quantified"
    6.0 "Scanty, not quantified"
    0.1 "Scanty, 1 AFB per 100 fields"
    0.2 "Scanty, 2 AFB per 100 fields"
    0.3 "Scanty, 3 AFB per 100 fields"
    0.4 "Scanty, 4 AFB per 100 fields"
    0.5 "Scanty, 5 AFB per 100 fields"
    0.6 "Scanty, 6 AFB per 100 fields"
    0.7 "Scanty, 7 AFB per 100 fields"
    0.8 "Scanty, 8 AFB per 100 fields"
    0.9 "Scanty, 9 AFB per 100 fields"
END
END

serno
    MUSTENTER
    KEY UNIQUE
END

regdate
    RANGE 01/01/2000 31/12/2005
    LEGAL
        01/01/1800
    END
    MUSTENTER
END

sex
    COMMENT LEGAL USE label_sex SHOW
    MUSTENTER
    TYPE COMMENT
END

age
    RANGE 0 125
    LEGAL
        999
    END
    MUSTENTER
END

reason
    COMMENT LEGAL USE label_reason SHOW
    MUSTENTER
    TYPE COMMENT
END

```

```
res1
  COMMENT LEGAL USE label_result SHOW
  MUSTENTER
  TYPE COMMENT
END

res2
  COMMENT LEGAL USE label_result SHOW
  MUSTENTER
  TYPE COMMENT
END

res3
  COMMENT LEGAL USE label_result SHOW
  MUSTENTER
  TYPE COMMENT
END

AFTER RECORD
  IF serno=. THEN
    HELP "Core information missing:\n      SERNO\n must be available" TYPE=WARNING
    GOTO serno
  ENDIF
END
```