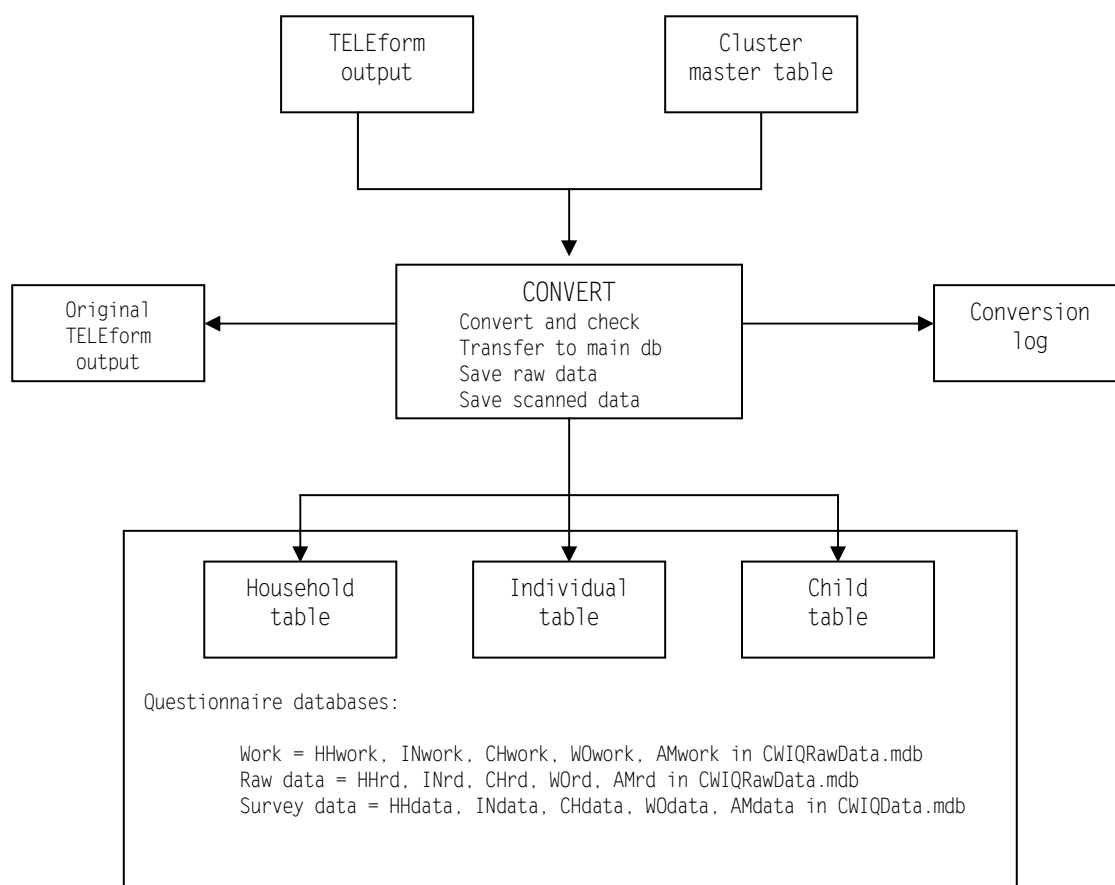


Program: IEConvert - convert scanned income and expenditure data to I&E database format

## 1. Schematic



## 2. Input

### A. TELEform output.

Data from corrected batches is automatically exported by TELEform to the CWIQtf table in the Access database CWIQtemp.mdb, when the batch is committed. This data is accumulated in the export tables waiting for conversion. Summaries of the contents of the export tables are produced by queries. When a cluster (EA) is converted its data are copied from the export tables to the conversion tables. Conversion is done using the data in the conversion tables.

Export tables:

- HHIEexp – Household level data (cover page of questionnaire)
- DGexp – durable goods data
- OPexp – consumption of own production data
- FPexp – frequently purchased items data
- LPexp – less frequently purchased items data
- INexp – household income data
- INexpA – household transfer data

Conversion tables:

- HHIE – Household level data (cover page of questionnaire)
- DG – durable goods data
- OP – consumption of own production data
- FP – frequently purchased items data

LP – less frequently purchased items data  
IN – household income data  
INa – household transfer data

B. Cluster master table.

The cluster master table is used to validate the cluster number and to verify that the number of households scanned is the same as the number of sample households in the cluster. The table name is ClusterMaster and it is stored in the main I&E database (Data.mdb). The cluster master table layout appears in Appendix B.

3. Output

A. I&E questionnaire databases.

The I&E questionnaire data is stored in seven tables: HHIE, DG, OP, FP, LP, IN, INa.

The converted TELEform output is initially stored in work tables in the I&E raw data database (CWIQRawData.mdb).

If no errors are detected during the conversion process or if errors are over-ridden, the data in the work tables is transferred to the main CWIQ database (CWIQData.mdb). All subsequent processing is done using this data. The converted data is also kept for archival purposes (unedited raw data) in the CWIQ raw data database (CWIQRawData.mdb).

B. Conversion log.

The conversion log shows the results for each household processed. If there are no errors, the log shows the questionnaire identifier, the number of members and the number of children under 5. If there are errors, the log shows the questionnaire identifier and an error message. There is a sample conversion log in appendix C.

C. Original TELEform output.

The original output of TELEform is stored in table CWIQorig in the CWIQ raw data database (RawData) when the scanned data has been successfully converted.

#### 4. Processing

Validation:

HHIE

A1 - Cluster number

A2 - HH number

DG – Durable goods data

DG2 = 1 (yes) or 2 (no) or . (NA)

If DG2 is not 1 (yes) then all remaining variables must be blank

If DG2 is 1 (yes) then the following apply:

DG3 must be > 0

DG4 must be filled (0-50?)

DG5 must be > 0

DG6 must be > 0

OP – Consumption of own production data

OP2 = 1 (yes) or 2 (no) or . (NA)

If OP2 is not 1 (yes) then all remaining variables must be blank

If OP2 is 1 (yes) then the following apply:

OP3 must be > 1-12

OP4a must be 1-9

OP4b must be > 0

OP4c must be <= OP4b

OP5 must be > 0

FP – Frequent purchases data

FP2 = 1 (yes) or 2 (no) or . (NA)

If FP2 is not 1 (yes) then all remaining variables must be blank

If FP2 is 1 (yes) then the following apply:

FP3 must be > 1-12

FP4a must be 1-9

FP4b must be > 0

FP5 must be > 0

LP – Less frequent purchases data

LP2 = 1 (yes) or 2 (no) or . (NA)

If LP2 is not 1 (yes) then all remaining variables must be blank

If LP2 is 1 (yes) then LP3 must be LP3 must be > 0

IN – Household income data

IN2 = 1 (yes) or 2 (no) or . (NA)

If IN2 is not 1 (yes) then all remaining variables must be blank

If IN2 is 1 (yes) then the following apply:

IN3 must be  $> 0$

IN4 must be 1-4

INa – Household transfers data

IN2 = 1 (yes) or 2 (no) or . (NA)

If IN2 is not 1 (yes) then all remaining variables must be blank

If IN2 is 1 (yes) then the following apply:

IN3 must be 1-4

IN4 must be 1-2

IN5 must be  $> 0$