Data management; key messages I

- Data management plan to cover all aspects

- Data manager
  - 100% full-time post
  - early involvement in planning
  - consider data entry aspects of forms
  - build quality checks into the whole process (immediate data completion of forms in the field and data quality checking at data entry, single Vs. double)
  - questionnaires, procedures, database

- Real-time data entry; avoid backlog
  - 1.5 million entry points
Data management; key messages II

• Software to develop database  
  – use local expertise  
  – checklist with desired characteristics (relational)  
  – Excel is not a database!

• "new" technologies  
  – Barcodes  
  – PDAs

Data management; key messages III

• Confidentiality  
• Personal Identifying Numbers (PINs) to link all forms  
• Pilot testing  
  – questionnaires  
  – data flow  
  – database

• Archiving  
  – paper questionnaires (storage space)  
  – database
Barcodes

PDAs
Data flow

Figure 15.1
Flow of data in a TB prevalence survey using the recommended screening strategy described in Chapter 4