Importing Data in BioNumerics

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April 2011

Overview

- Import Demographic Information
  - Create ODBC Link
  - Download Data
  - Remove Timestamps

Import Demographic Information

- What can be imported?
  - Data located in Microsoft Excel or Microsoft Access
  - Database fields (ex. patient age, source site)
  - Character data (antimicrobial profiles—not covered in this presentation)
  - Sequence data (not covered in this presentation)
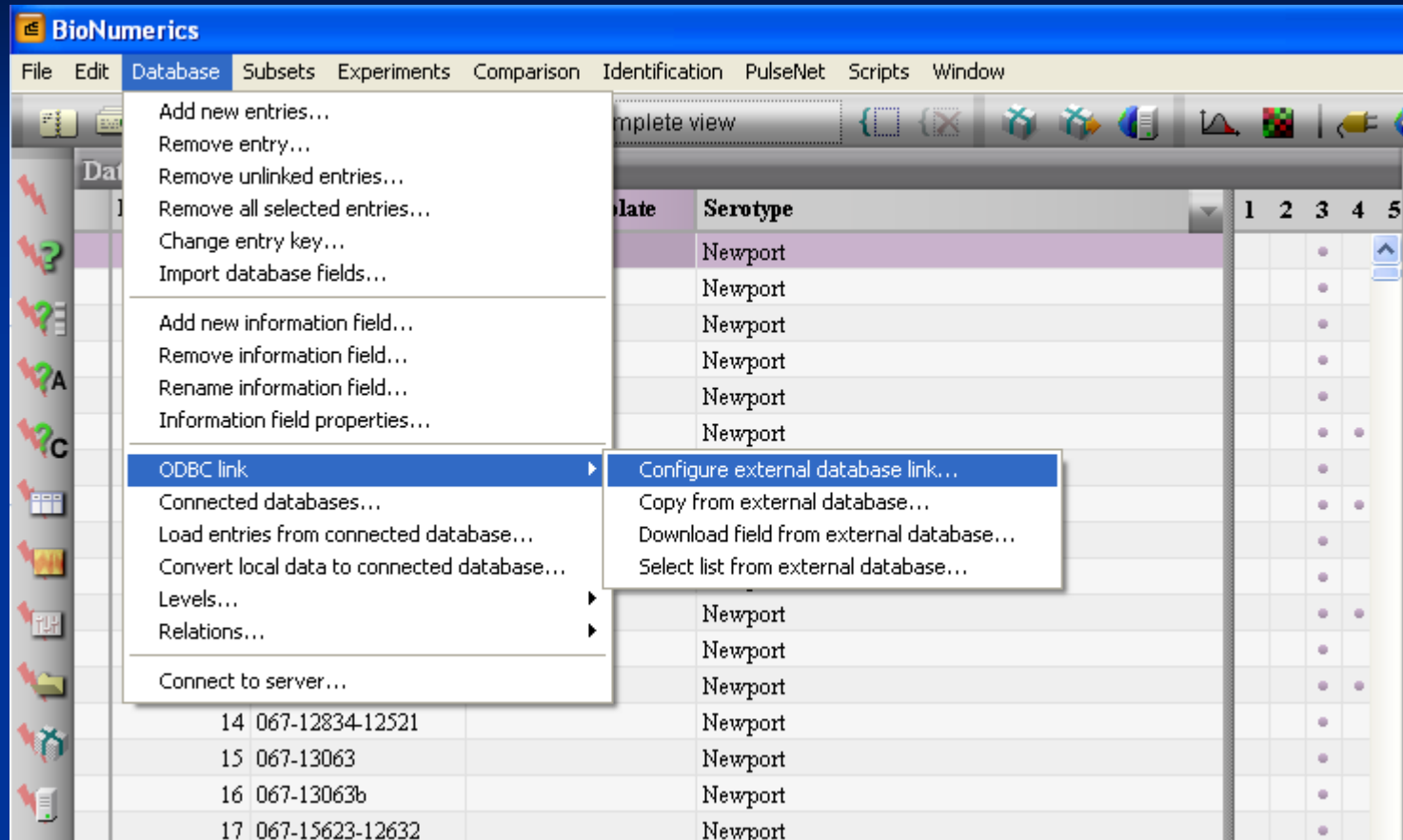
Import Demographic Information

First row of Excel should contain database field names (they do not have to be the same as those found in BioNumerics)

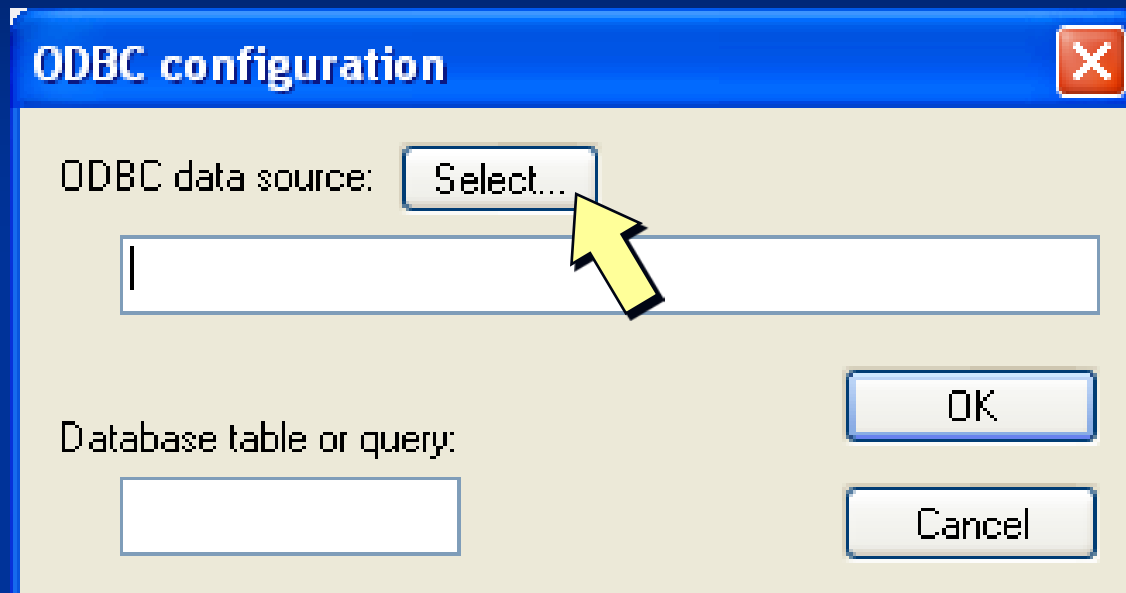**There must be a column containing isolate key numbers**

Open the Excel file and note the name of the sheet (default: Sheet1)
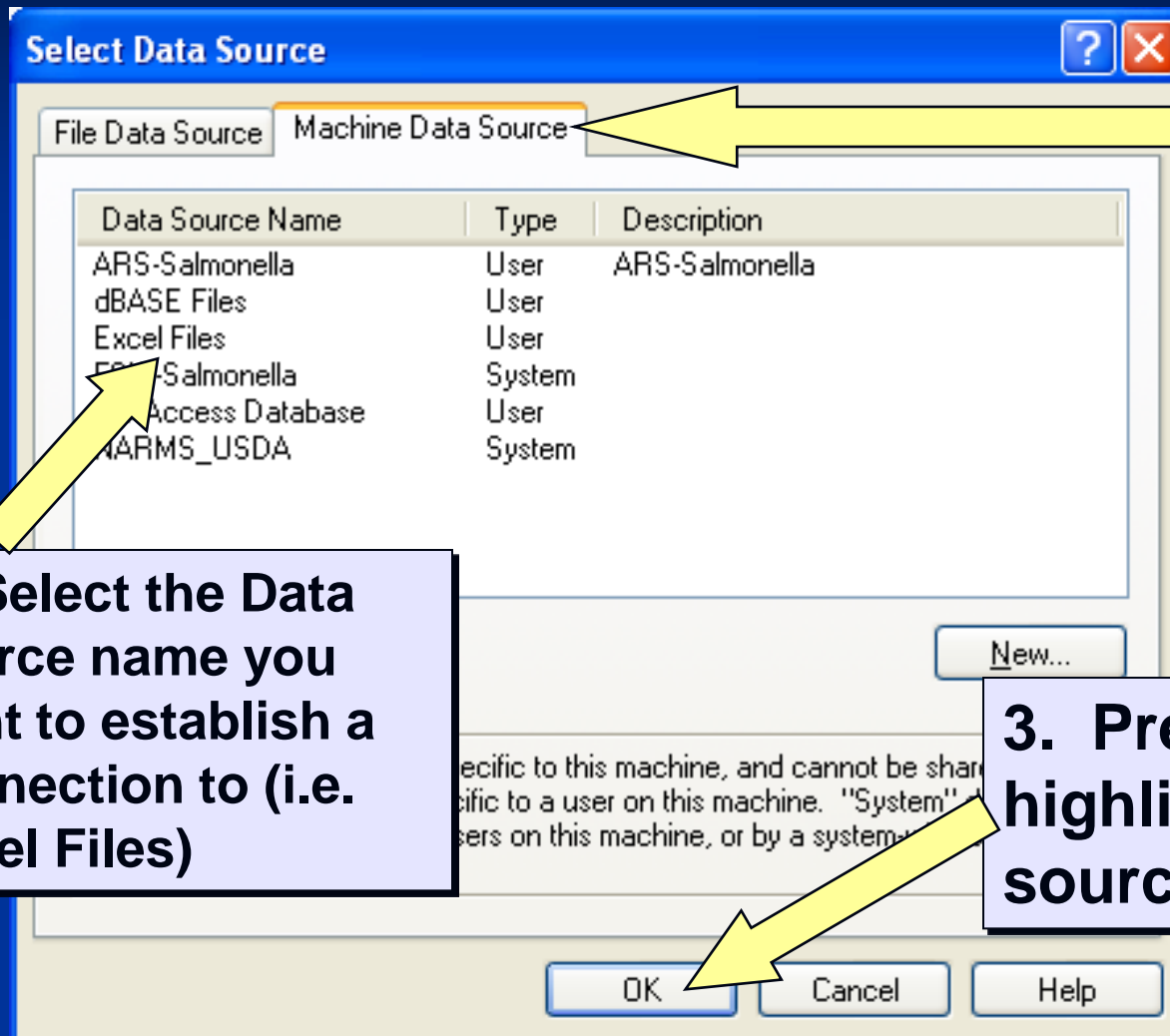
Import: Create ODBC Link

In the main screen of BioNumerics, select Database→ ODBC link→ Configure external database link...

Import: Create ODBC Link

Press "Select" to bring up the Windows ODBC configuration wizard
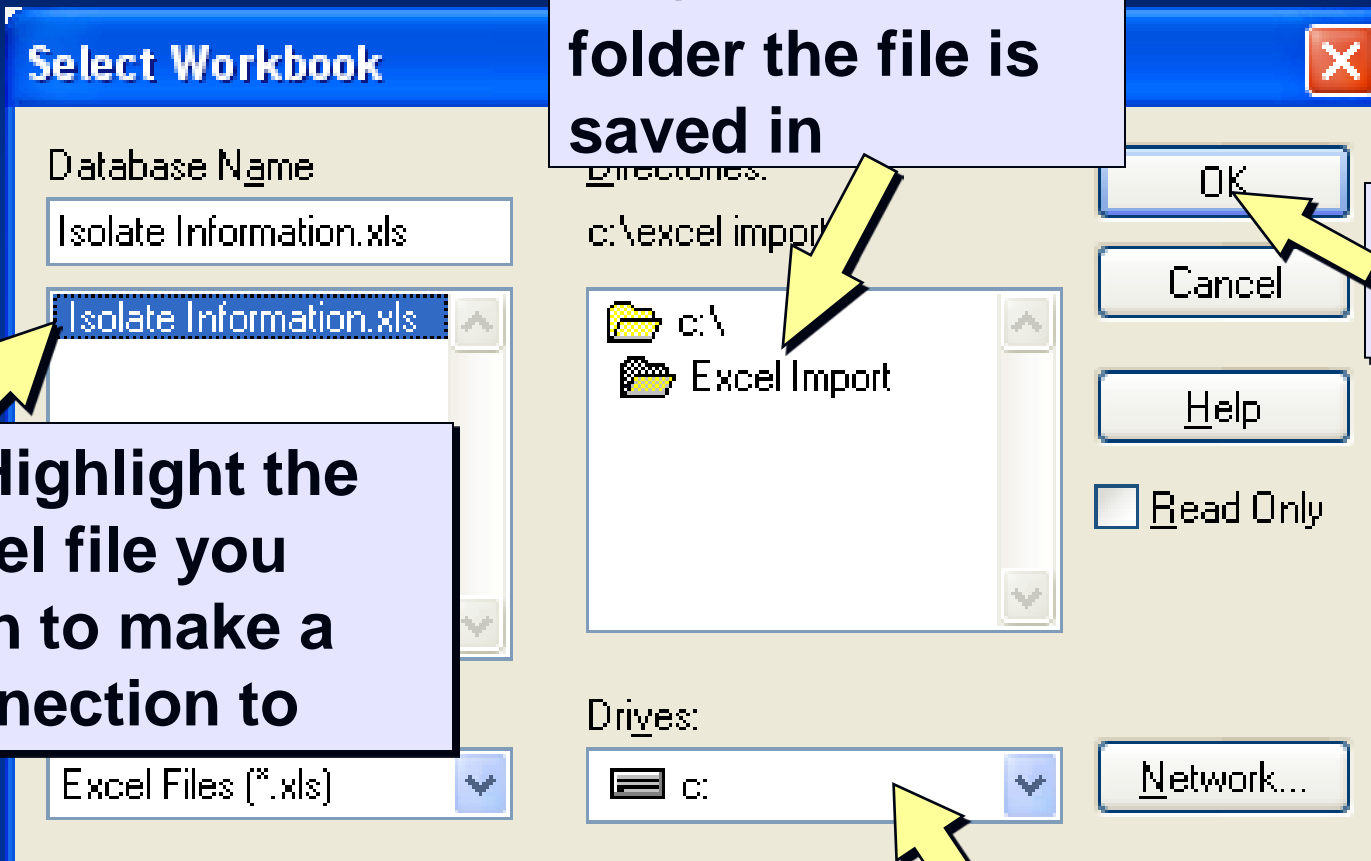
Import: Create ODBC Link

Import: Create ODBC Link

2. Select the folder the file is saved in

4. Press "OK"

3. Highlight the Excel file you wish to make a connection to

1. Navigate to the appropriate drive

Select Workbook

Database Name

Isolate Information.xls

Isolate Information.xls

Directories:

c:\excel import

📁 c:\
📂 Excel Import

Excel Files (*.xls)

Drives:

💾 c:

OK

Cancel

Help

☐ Read Only

Network...

Import: Create ODBC Link

ODBC configuration

ODBC data source: [Select...]

DSN=Excel Files;DBQ=C:\Excel Import\Isolate Information.

Database table or query:

sheet1$

[OK]

[Cancel]

2. Press "OK"

1. Enter the name of the sheet with a '$' sign added (ex. sheet1$)

Import: Create ODBC Link

ODBC database import

BioNumerics	External database
Key ←	Isolate Number
LabID	
PatientAge ←	Patient Age
PatientSex	
UploadDate	
Serotype	
SourceType	
SourceSite	

Serotype

Link   Ok

Unlink   Cancel

1. Select a BioNumerics field in the left column and the corresponding Excel field in the right column

2. Press "Link" when both fields are highlighted

Import: Create ODBC Link

Press "OK" after all appropriate fields are linked

Import: Download Data

Select Database→ ODBC link→ Copy from external database...

Import: Download Data

Confirmation

Do you wish to download datatabase fields from the external database?

[Yes]   [No]

Confirmation

Additional entries were found in the external database. Do you wish to add these entries to the local database?

[Yes]   [No]
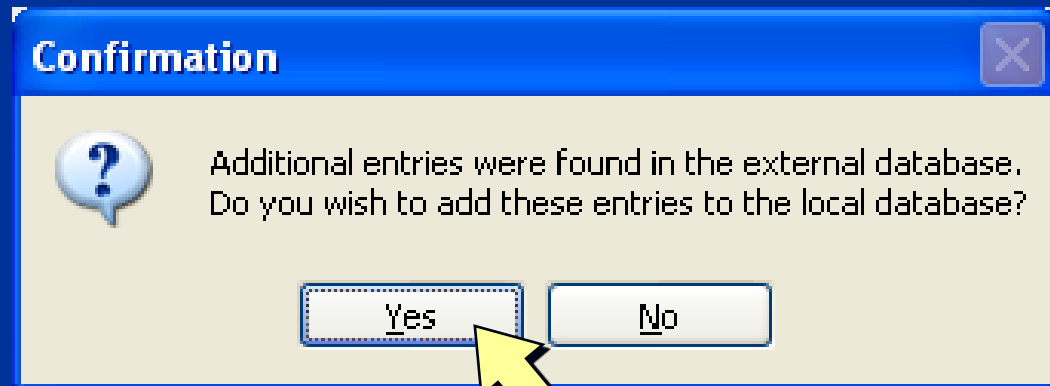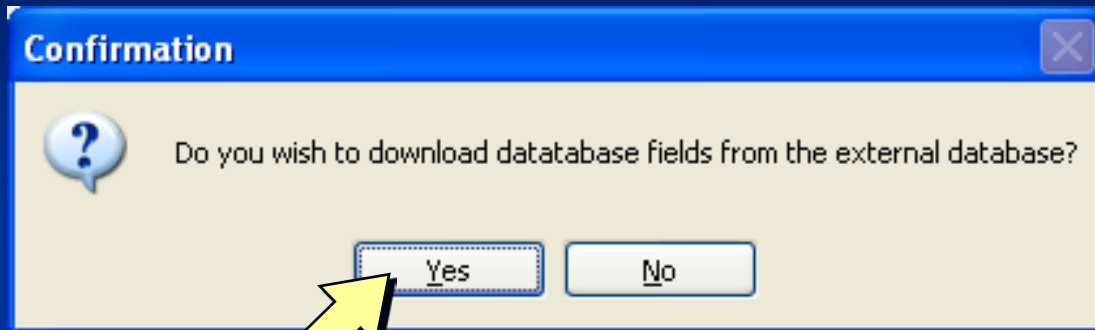
Now the data from Excel is present in your BioNumerics database

Import: Remove Timestamps

Select PulseNet→ Select Standardize Date→ Select field to change →Press OK

Import: Remove Timestamps

Confirm number of entries to be changed for the selected date field and press OK.

Now the timestamps are gone

Import Data into BioNumerics

- Link imported isolates to the appropriate lane on the analyzed TIFF
- Check for spelling errors for serotype and demographic information
- Click on to make sure:
    - No extra spaces
    - No spelling errors
    - Information matches the pull-down menus
    - Information is in the proper format
        - i.e. YYYY-MM-DD date format and 00:00:00 does NOT appear after the date
- Download can be performed each time the excel file is modified

Questions?

Thank you for your attention
The findings and conclusions in this presentation
are those of the author and do not necessarily
represent the views of the Centers for Disease
Control and Prevention

Exercise 7