

## CRUG Demo 7-20-07

### Region/Community by Zip Code

#### Translating City of Residence to a region or community group. Terri Bruce

- 1- Use of city to determine region – issue of different spellings, addition of directions East, West, etc. (**Show Generate Zip Code Query**)
  - a- **Insert a group on region.** Show that only 5-digit zips appear in region. **Insert a count** and show number not included (including other states)
  - b- Need for left join (show what happens with equal join by **adding group selection: zip\_townships.zip\_code = applicant\_main.zip**)
- 2- Use of zip codes, but difference in length of zip codes – 5 to 9 in Main table, 5 in zip township codes table. Solutions:
  - a- use one table in a subreport, and create a formula that you link on
  - b- use a formula or SQL expression to translate the zips to townships or regions.

#### **Show Service by Community-A**

- a- Township table to identify and link to SDA table for region where receiving service
- b- SQL expression to show region of residence and community of residence.
  - a. Mike's method for generating the formula contents:
    - i. Insert a text box in the details section of a new report that uses the zip\_township, township, and SDA table
    - ii. Add the following text  
when {fn left("CS\_APPLICANT\_MAIN"."ZIP",5)} = '<zipcode field>' then '<sdadescription field>'
    - iii. Export to word-editable rtf
    - iv. Copy into SQL expression in report *that contains the applicant main table.*
    - v. Add “case” at beginning and “end” at end
  - b. **Or, Show “Zip Codes (app main) by region”**
  - c. Show {%Region} – show that passes to SQL
  - d. Les's suggestion to link based on a substring in a command
  - e. Show the shell report to generate the SQL query (**show Generate Zip Code Query**).
    - i. Rename fields
    - ii. then add the {fn left()} to both the zip to display and the join in a new report using add command.
    - iii. **Make sure you are not using the full zip in the order by clause**
    - iv. Insert groups on state, region, township; show how to display text for nulls.
    - v. Insert summaries at each level
    - vi. Show numbers outside of state, and with no state, region, etc.
  - f. Show **Region by Zip** using a command.
  - g. Show {%City} - Issue of multiple cities per zip code.

**Featured Report(s):**

**Call List-No Svc in N Days**

**Mailing List-No Svc in N Days**

**Mailing Labels-No Svc in N Days**

**Call List:**

- 1- Show command with the union and highlight the where clauses.
- 2- Show group selection formula to eliminate deceased, jobs, and people with service since currentdate-?N

**Mailing List**-for export

**Mailing Labels**

**Show Call List with Admin Services**

- 1- Show admin union
- 2- Show conditional formulas for job/supp vs. admin
- 3- Show use of variables to display type of service related to most recent date