

Helpful Hint #17 - Retention Rate by County by Ethnicity

These instructions produce the retention rate, by county, by ethnic group using Access. A basic understanding of Access query design is assumed.

Prior to running queries on the workstation, ODBC (Open DataBase Connectivity) must be installed and properly configured to connect to the PRISM database ([http:// URL desk manual](http://URLdeskmanual)). Microsoft Access ODBC configuration is required only once for each workstation. The connection will enable you to connect to PRISM tables needed for completing data analysis.

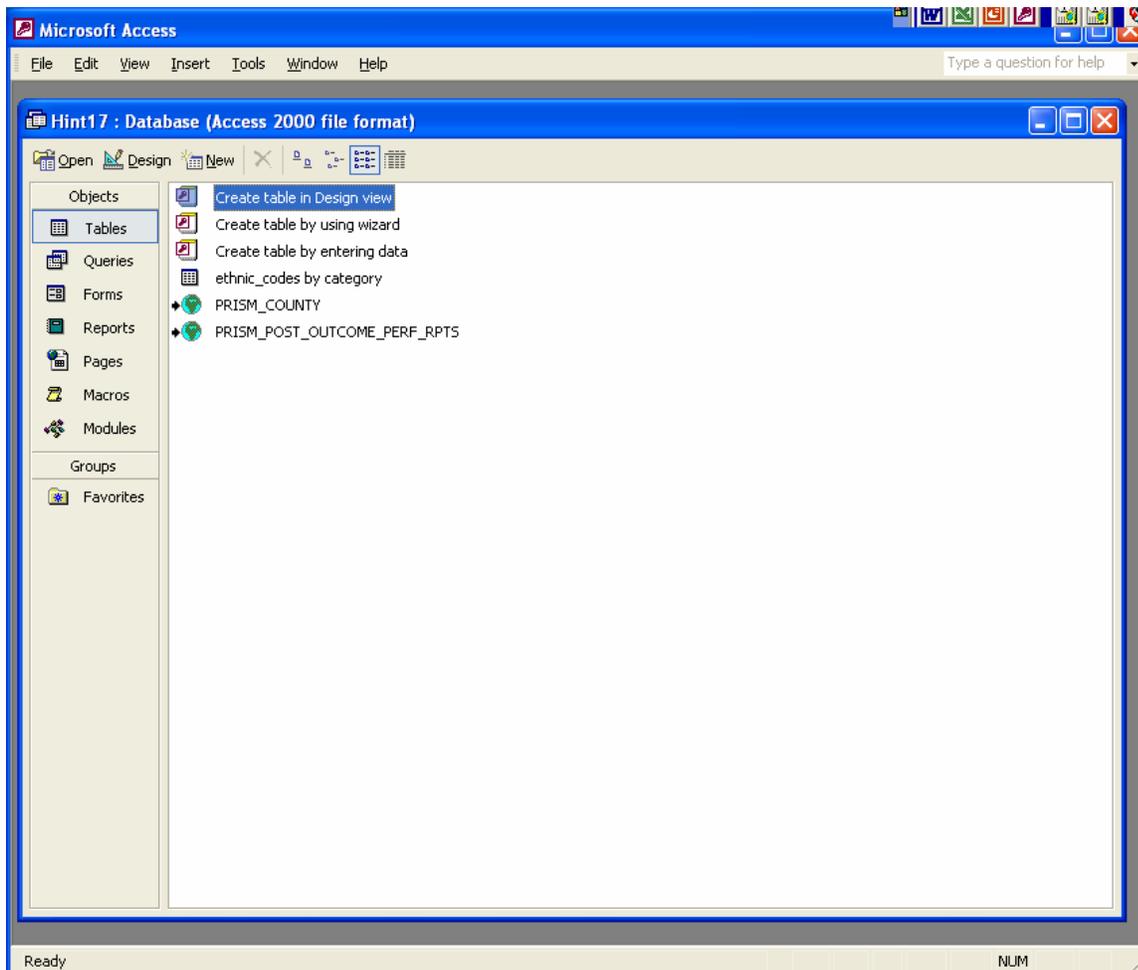
Create Access tables by linking to the following PRISM tables through ODBC.

1. PRISM.POST_OUTCOME_PERF_RPTS
2. PRISM.COUNTY

Import the Excel ethnicity table from the PRISM website located in Helpful Hints

3. ethnic_codes by category

Figure 1



Select tables 1, 2 and 3 for the query window

Helpful Hint #17 - Retention Rate by County by Ethnicity

Link tables: (Figure 2)

PRISM_POST_OUTCOME_PERF_RPTS.ETHNICITY to
ethnic_codes by category.report_codes

PRISM.POST_OUTCOME_PERF_RPTS.COUNTY FIPS to
PRISM.COUNTY.CTY

Select the following fields and criteria: (Figure 2)

PRISM.POST_OUTCOME_PERF RPTS table

OUTCOME_YEAR_QTR: Enter any year/quarter (yyyyq) between:

The earliest date – 20003 and

The latest date – eight quarters prior to today's current quarter

(CAF only)

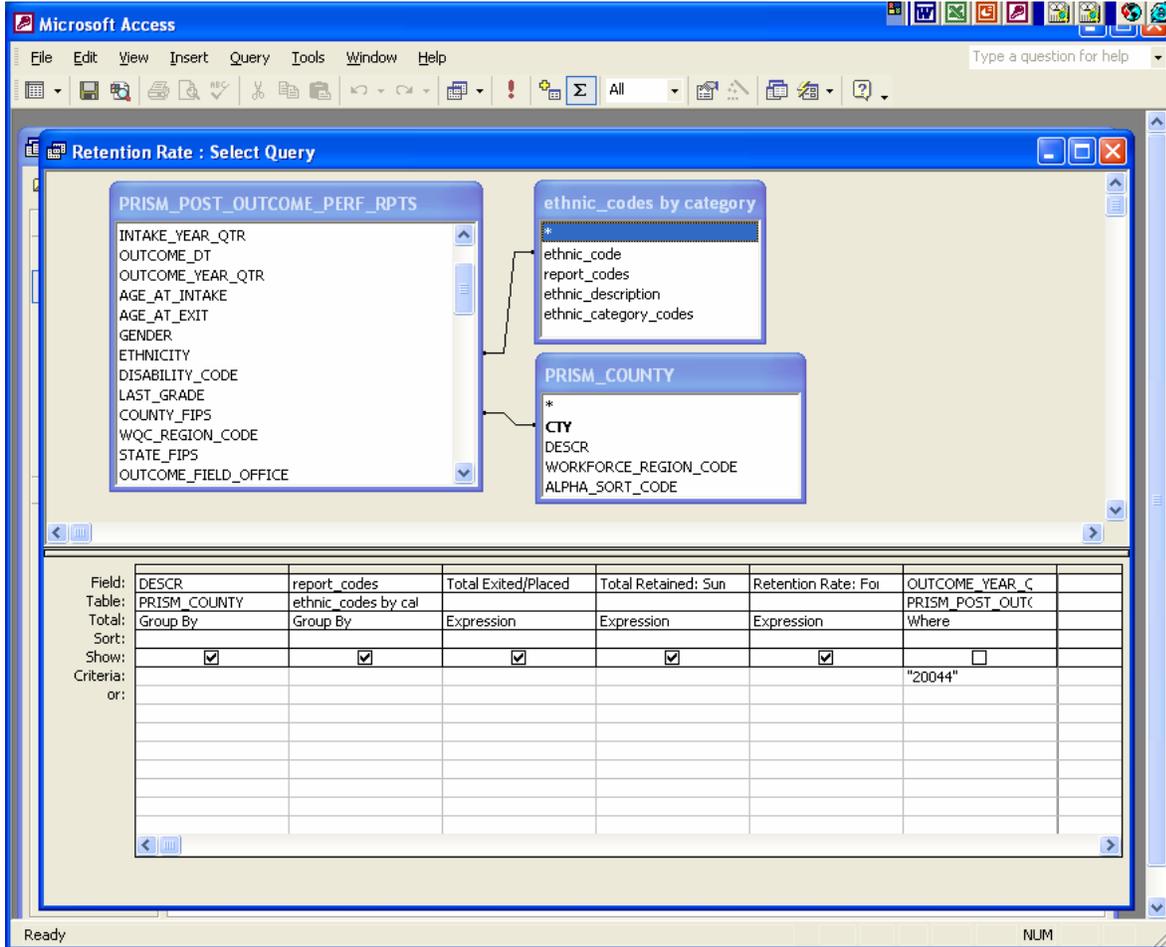
UNSUBSIDIZED_PLACEMENT_YEAR_QTR: (enter the same yyyyq as above)

DESCR.PRISM_COUNTY

Report_codes.Ethnic_codes_by_category

Helpful Hint #17 - Retention Rate by County by Ethnicity

Figure 2



Compute the retention rate using a conditional iif statement.

Total Exited/Placed:

Sum(IIf([PRISM_POST_OUTCOME_PERF_RPTS]![POST_EPISODE_EMPLOYMENT_CODE]>"000",1,0))

Total Retained:

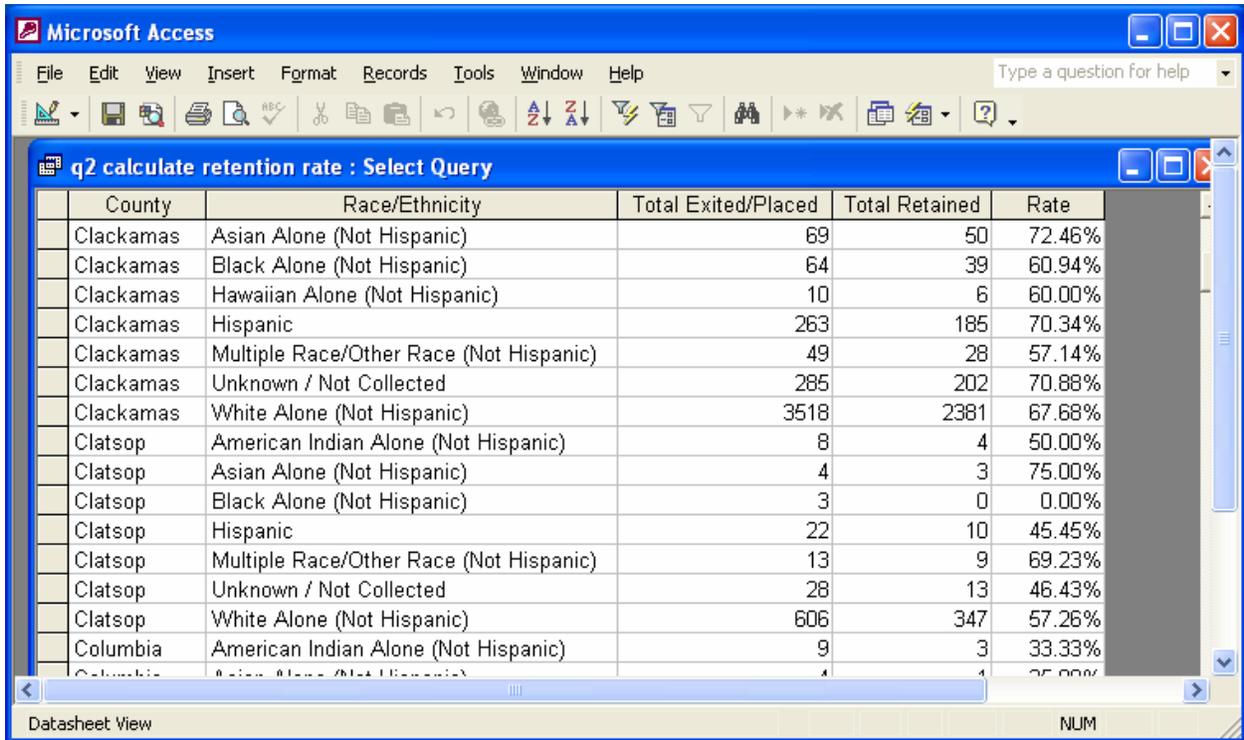
Sum(IIf([PRISM_POST_OUTCOME_PERF_RPTS]![CONTINUOUS_EMPLOYMENT_IND]="1",1,0))

Retention Rate: Format ([Total Retained]/[Total Exited/Placed],"Percent")

Helpful Hint #17 - Retention Rate by County by Ethnicity

Run query for results: (Figure 3)

Figure 3



The screenshot shows a Microsoft Access window titled "q2 calculate retention rate : Select Query". The window displays a table with the following data:

County	Race/Ethnicity	Total Exited/Placed	Total Retained	Rate
Clackamas	Asian Alone (Not Hispanic)	69	50	72.46%
Clackamas	Black Alone (Not Hispanic)	64	39	60.94%
Clackamas	Hawaiian Alone (Not Hispanic)	10	6	60.00%
Clackamas	Hispanic	263	185	70.34%
Clackamas	Multiple Race/Other Race (Not Hispanic)	49	28	57.14%
Clackamas	Unknown / Not Collected	285	202	70.88%
Clackamas	White Alone (Not Hispanic)	3518	2381	67.68%
Clatsop	American Indian Alone (Not Hispanic)	8	4	50.00%
Clatsop	Asian Alone (Not Hispanic)	4	3	75.00%
Clatsop	Black Alone (Not Hispanic)	3	0	0.00%
Clatsop	Hispanic	22	10	45.45%
Clatsop	Multiple Race/Other Race (Not Hispanic)	13	9	69.23%
Clatsop	Unknown / Not Collected	28	13	46.43%
Clatsop	White Alone (Not Hispanic)	606	347	57.26%
Columbia	American Indian Alone (Not Hispanic)	9	3	33.33%
Columbia	Asian Alone (Not Hispanic)	4	1	25.00%