

August 29 2007

Helpful Hint #21 – Average Wage Gain by Gender within Workforce Area

These instructions produce average wage gain data by gender within workforce areas. This example will be for individuals working in the accommodation and food services industry (NAICS sector code 72), October 1, 2005 through December 31, 2005. Microsoft Access will be used; a basic understanding of 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://www.oregon.gov/PRISM/TechnicalInfo.shtml#Desk_Manual). Microsoft Access configuration is required only once for each workstation. The connection will enable you to connect to the PRISM tables needed for completing the data analysis.

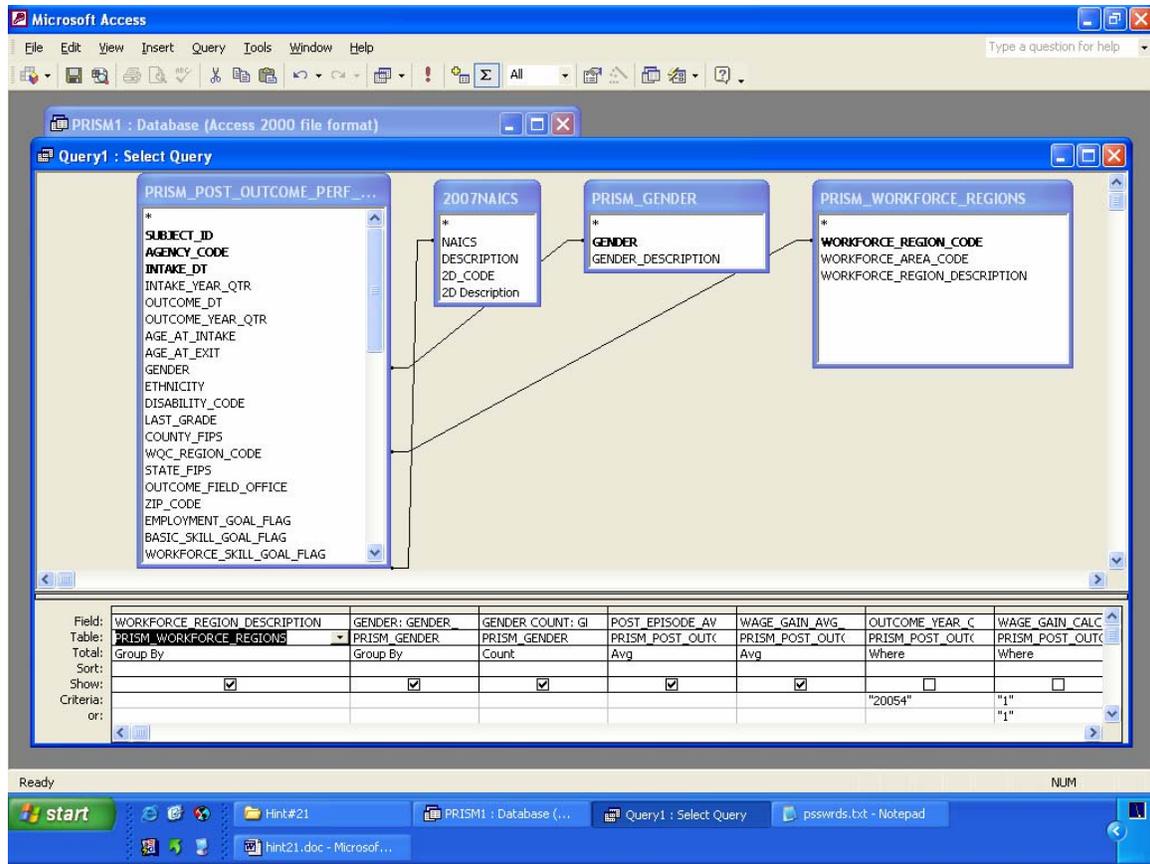
Create Access tables by linking to the following PRISM tables through ODBC.

1. PRISM.POST_OUTCOME_PERF_RPTS
2. PRSIM_GENDER
3. PRISM_WORKFORCE_REGIONS

Import the Excel table “2007 NAICS codes”. It is on the PRISM website, on the ‘Technical Information’ page, in the ‘Documentation’ section of that page.

4. 2007_NAICS_codes

Select tables 1, 2, 3, and 4 for the query window.



Link tables:

PRISM_POST_OUTCOME_PERF_RPTS.GENDER to
PRISM_GENDER.GENDER

PRISM_POST_OUTCOME_PERF_RPTS.POST_EPISODE_PRI_NAICS_
CODE to
2007NAICS.NAICS

PRISM_WORKFORCE_REGIONS.WORKFORCE_REGION_CODE to
PRISM_POST_OUTCOME_PERF_RPTS.WQC_REGION_CODE

Select the following fields and criteria. Be sure to select “Σ” on the toolbar.

PRISM_WORKFORCE_REGIONS
(group by) WORKFORCE_REGION_DESCRIPTION

GENDER: PRISM_GENDER
(group by) GENDER_DESCRIPTION

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GENDER COUNT: PRISM_GENDER
(count) GENDER_DESCRIPTION

PRISM_POST_OUTCOME_PERF_RPTS
(average) POST_EPISODE_AVG_HRLY_WAGE

PRISM_POST_OUTCOME_PERF_RPTS
(average) WAGE_GAIN_AVG_HRLY_WAGE

PRISM_POST_OUTCOME_PERF_RPTS
(where) OUTCOME_YEAR_QTR: "20054"

PRISM_POST_OUTCOME_PERF_RPTS
(where) WAGE_GAIN_CALC_FLAG: "1"

PRISM_POST_OUTCOME_PERF_RPTS
(where) POST_EPISODE_AVG_HRLY_WAGE: >= "1"

PRISM_POST_OUTCOME_PERF_RPTS
(where) WAGE_GAIN_AVG_HRLY_WAGE: >= "1"

2007NAICS
(where) 2D_CODE: "72"

PRISM_POST_OUTCOME_PERF_RPTS
(where) UNSUB_PLACEMENT_YEAR_QTR: "20054" (For CAF only)

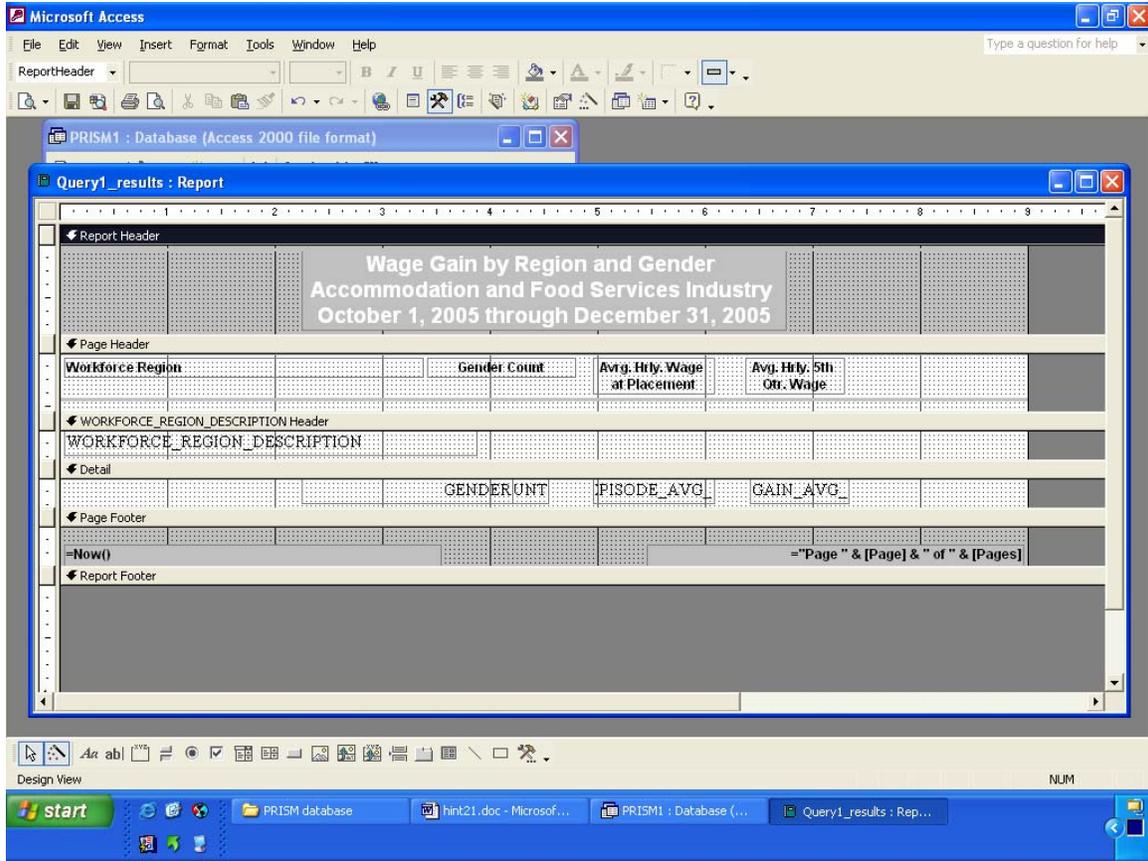
Before running query, uncheck "show" box for fields: OUTCOME_YEAR_QTR,
WAGE_GAIN_CALC_FLAG, POST_EPISODE_AVG_HRLY_WAGE,
WAGE_GAIN_AVG_HRLY_WAGE, 2D_CODE,
UNSUB_PLACEMENT_YEAR_QTR

Run query

WORKFORCE_REGION_DESCRIPTION	GENDER	GENDER COUNT	AvgOPOST_EPISOD	AvgOWAGE_GAI
Region 01 - Clatsop, Columbia, Tillamook	Female	110	\$9.18	\$10.30
Region 01 - Clatsop, Columbia, Tillamook	Male	73	\$9.76	\$10.95
Region 02 - Multnomah, Washington	Female	459	\$9.55	\$10.91
Region 02 - Multnomah, Washington	Male	332	\$10.65	\$11.94
Region 02 - Multnomah, Washington	Unknown / Suppressed Data	1	\$7.89	\$9.45
Region 03 - Marion, Polk, Yamhill	Female	173	\$9.29	\$9.69
Region 03 - Marion, Polk, Yamhill	Male	95	\$10.13	\$11.33
Region 04 - Benton, Lincoln, Linn	Female	177	\$9.22	\$10.20
Region 04 - Benton, Lincoln, Linn	Male	125	\$8.90	\$11.15
Region 05 - Lane	Female	201	\$8.74	\$9.76
Region 05 - Lane	Male	119	\$9.12	\$10.26
Region 06 - Douglas	Female	110	\$8.46	\$9.69
Region 06 - Douglas	Male	55	\$8.97	\$10.02
Region 07 - Coos, Curry	Female	113	\$9.45	\$10.10
Region 07 - Coos, Curry	Male	62	\$9.15	\$10.31
Region 08 - Jackson, Josephine	Female	123	\$9.13	\$9.86
Region 08 - Jackson, Josephine	Male	65	\$8.91	\$9.85
Region 09 - Gilliam, Hood River, Sherman, Wasco, Wheeler	Female	45	\$9.96	\$9.37
Region 09 - Gilliam, Hood River, Sherman, Wasco, Wheeler	Male	24	\$10.52	\$10.62
Region 10 - Crook, Deschutes, Jefferson	Female	125	\$8.98	\$10.64
Region 10 - Crook, Deschutes, Jefferson	Male	94	\$9.89	\$11.18
Region 11 - Klamath, Lake	Female	52	\$8.84	\$9.52
Region 11 - Klamath, Lake	Male	35	\$9.10	\$9.98
Region 12 - Morrow, Umatilla	Female	61	\$8.82	\$9.33
Region 12 - Morrow, Umatilla	Male	28	\$8.91	\$9.19
Region 13 - Baker, Union, Wallowa	Female	62	\$8.64	\$9.95
Region 13 - Baker, Union, Wallowa	Male	24	\$7.92	\$9.40
Region 14 - Grant, Harney, Malheur	Female	46	\$8.16	\$9.12
Region 14 - Grant, Harney, Malheur	Male	18	\$7.98	\$10.34
Region 15 - Clackamas	Female	97	\$9.15	\$10.97
Region 15 - Clackamas	Male	54	\$9.54	\$12.03
Region 15 - Clackamas	Unknown / Suppressed Data	1	\$14.03	\$15.49

A simple report can also be made using the Report Wizard function. Designate WORKFORCE_REGION_DESCRIPTION as the top tier of the hierarchy. The second tier contains the other four columns.

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Microsoft Access - [Query1_results]

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Wage Gain by Region and Gender
Accommodation and Food Services Industry
October 1, 2005 through December 31, 2005

Workforce Region	Gender	Count	Avg. Hly. Wage at Placement	Avg. Hly. 5th Qtr. Wage
Region01 - Clatsop, Columbia, Tillamook	Female	110	\$9.18	\$10.30
	Male	73	\$9.76	\$10.95
Region02 - Multnomah, Washington	Female	459	\$9.55	\$10.91
	Male	332	\$10.65	\$11.94
	Unknown/Suppressed Data	1	\$7.89	\$9.45
Region03 - Marion, Polk, Yamhill	Female	173	\$9.29	\$9.69
	Male	95	\$10.13	\$11.33
Region04 - Benton, Lincoln, Linn	Female	177	\$9.22	\$10.20
	Male	125	\$8.90	\$11.15
Region05 - Lane	Female	201	\$8.74	\$9.76
	Male	119	\$9.12	\$10.26

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Ready

start PRISM database hint21.doc - Microsof... PRISM1 : Database (... Query1_results