

Helpful Hint #30 – Wage gain for individuals primarily employed in hospitals and nursing care facilities, by workforce region.

This 'Helpful Hint' will demonstrate how to create a query which calculates: average wage at placement; average wage at 5th quarter of employment; and wage gain for the period of 2005 Q3 through 2006 Q2. The industries concerned are: general medical and surgical hospitals (NAICS 622110); and nursing care facilities (NAICS 623110).

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. PRISM_NAICS_GROUP_2
3. PRISM_WORKFORCE_REGIONS

Query 1. Select all three PRISM tables for the query. Select the “Σ” button on the toolbar.

Link tables:

PRISM_POST_OUTCOME_PERF_RPTS.POST_EPISODE_PRI_NAICS_CODE to PRISM_NAICS_GROUP_2.NAICS_CODE

PRISM_POST_OUTCOME_PERF_RPTS.WQC_REGION_CODE to PRISM_WORKFORCE_REGIONS.WORKFORCE_REGION_CODE

Select the following fields and criteria from the PRISM_POST_OUTCOME_PERF_RPTS table:

Where
OUTCOME_YEAR_QTR
(criteria) Between "20053" And "20062"

Where
UNSUB_PLACEMENT_YEAR_QTR
(criteria) Between "20053" And "20062"

Select the following fields and criteria from the PRISM_NAICS_GROUP_2 table:

Where
NAICS_CODE
(criteria) "622110" Or "623110"

Select the following fields and criteria from the PRISM_WORKFORCE_REGIONS table:

Group by
WORKFORCE_REGION_DESCRIPTION

Create the following expressions:

Expression

Wage Gain Eligible:

(FormatNumber(Sum(IIf((([WAGE_GAIN_CALC_FLAG]="1") And
([POST_EPISODE_AVG_HRLY_WAGE]>0) And
([WAGE_GAIN_AVG_HRLY_WAGE]>0),1,0)),0))
(criteria) >=3

Expression

Placement:

CCur(Round(Avg(IIf((([WAGE_GAIN_CALC_FLAG]="1") And
([POST_EPISODE_AVG_HRLY_WAGE]>0) And
([WAGE_GAIN_AVG_HRLY_WAGE]>0),[POST_EPISODE_AVG_HRLY_WAGE])),2))

Expression

5thQTRwage:

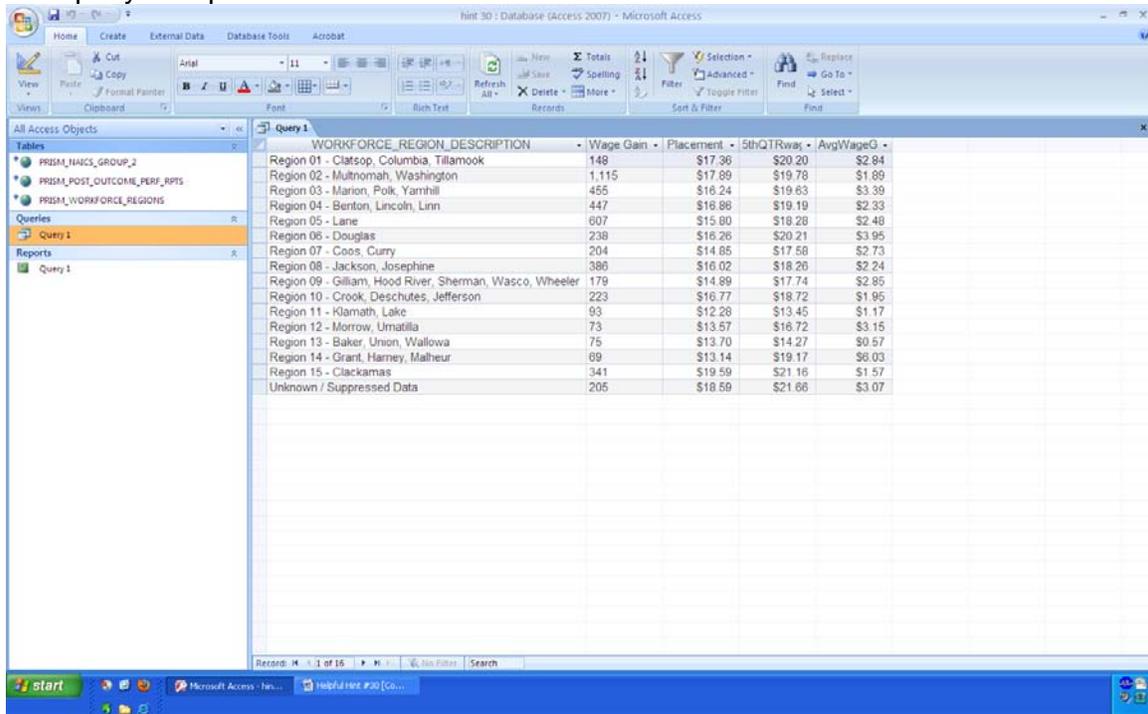
CCur(Round(Avg(IIf((([WAGE_GAIN_CALC_FLAG]="1") And
([POST_EPISODE_AVG_HRLY_WAGE]>0) And
([WAGE_GAIN_AVG_HRLY_WAGE]>0),[WAGE_GAIN_AVG_HRLY_WAGE])),2))

Expression

AvgWageGain:

CCur(Round([5thQTRwage]-[Placement],2.2))

The query's output should look like this:



| WORKFORCE_REGION_DESCRIPTION | Wage Gain | Placement | 5thQTRwage | AvgWageG |
|--|-----------|-----------|------------|----------|
| Region 01 - Clatsop, Columbia, Tillamook | 148 | \$17.36 | \$20.20 | \$2.84 |
| Region 02 - Multnomah, Washington | 1,115 | \$17.89 | \$19.78 | \$1.89 |
| Region 03 - Marion, Polk, Yamhill | 455 | \$16.24 | \$19.63 | \$3.39 |
| Region 04 - Benton, Lincoln, Linn | 447 | \$18.88 | \$19.19 | \$2.33 |
| Region 05 - Lane | 607 | \$15.80 | \$18.28 | \$2.48 |
| Region 06 - Douglas | 238 | \$16.26 | \$20.21 | \$3.95 |
| Region 07 - Coos, Curry | 204 | \$14.85 | \$17.58 | \$2.73 |
| Region 08 - Jackson, Josephine | 386 | \$16.02 | \$18.26 | \$2.24 |
| Region 09 - Gilliam, Hood River, Sherman, Wasco, Wheeler | 179 | \$14.89 | \$17.74 | \$2.85 |
| Region 10 - Crook, Deschutes, Jefferson | 223 | \$16.77 | \$18.72 | \$1.95 |
| Region 11 - Klamath, Lake | 93 | \$12.28 | \$13.45 | \$1.17 |
| Region 12 - Morrow, Umatilla | 73 | \$13.57 | \$18.72 | \$3.15 |
| Region 13 - Baker, Union, Wallowa | 75 | \$13.70 | \$14.27 | \$0.57 |
| Region 14 - Grant, Harney, Malheur | 89 | \$13.14 | \$19.17 | \$6.03 |
| Region 15 - Clackamas | 341 | \$19.59 | \$21.16 | \$1.57 |
| Unknown / Suppressed Data | 205 | \$18.69 | \$21.66 | \$3.07 |

You can use the Report Wizard to create a report from Query 1:

The screenshot shows the Microsoft Access 2007 interface. The main window displays a report titled "Wage data for Hospitals and Nursing Care Facilities" generated from "Query 1". The report contains a table with the following data:

| WORKFORCE_REGION_DESCRIPTION | Wage Gain Eligible | Placement | 5thQTRwage | AvgWageGain |
|--|--------------------|-----------|------------|-------------|
| Region 01 - Clatsop, Columbia, Tillamook | 148 | \$17.36 | \$20.20 | \$2.84 |
| Region 02 - Multnomah, Washington | 1,115 | \$17.89 | \$19.78 | \$1.89 |
| Region 03 - Marion, Polk, Yamhill | 455 | \$16.24 | \$19.63 | \$3.39 |
| Region 04 - Benton, Lincoln, Linn | 447 | \$16.86 | \$19.19 | \$2.33 |
| Region 05 - Lane | 607 | \$15.80 | \$18.28 | \$2.48 |
| Region 06 - Douglas | 238 | \$16.26 | \$20.21 | \$3.95 |
| Region 07 - Coos, Curry | 204 | \$14.85 | \$17.58 | \$2.73 |
| Region 08 - Jackson, Josephine | 386 | \$18.02 | \$18.26 | \$2.24 |
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| Region 10 - Crook, Deschutes, Jefferson | 223 | \$16.77 | \$18.72 | \$1.95 |
| Region 11 - Klamath, Lake | 93 | \$12.28 | \$13.45 | \$1.17 |
| Region 12 - Morrow, Umatilla | 73 | \$13.97 | \$16.72 | \$3.15 |
| Region 13 - Baker, Union, Wallowa | 75 | \$13.70 | \$14.27 | \$0.57 |
| Region 14 - Grant, Harney, Malheur | 89 | \$13.14 | \$19.17 | \$6.03 |
| Region 15 - Clackamas | 341 | \$19.59 | \$21.16 | \$1.57 |
| Unknown / Suppressed Data | 209 | \$18.99 | \$21.66 | \$3.07 |

At the bottom of the report, it says "Wednesday, January 20, 2010" and "Page 1 of 1".