

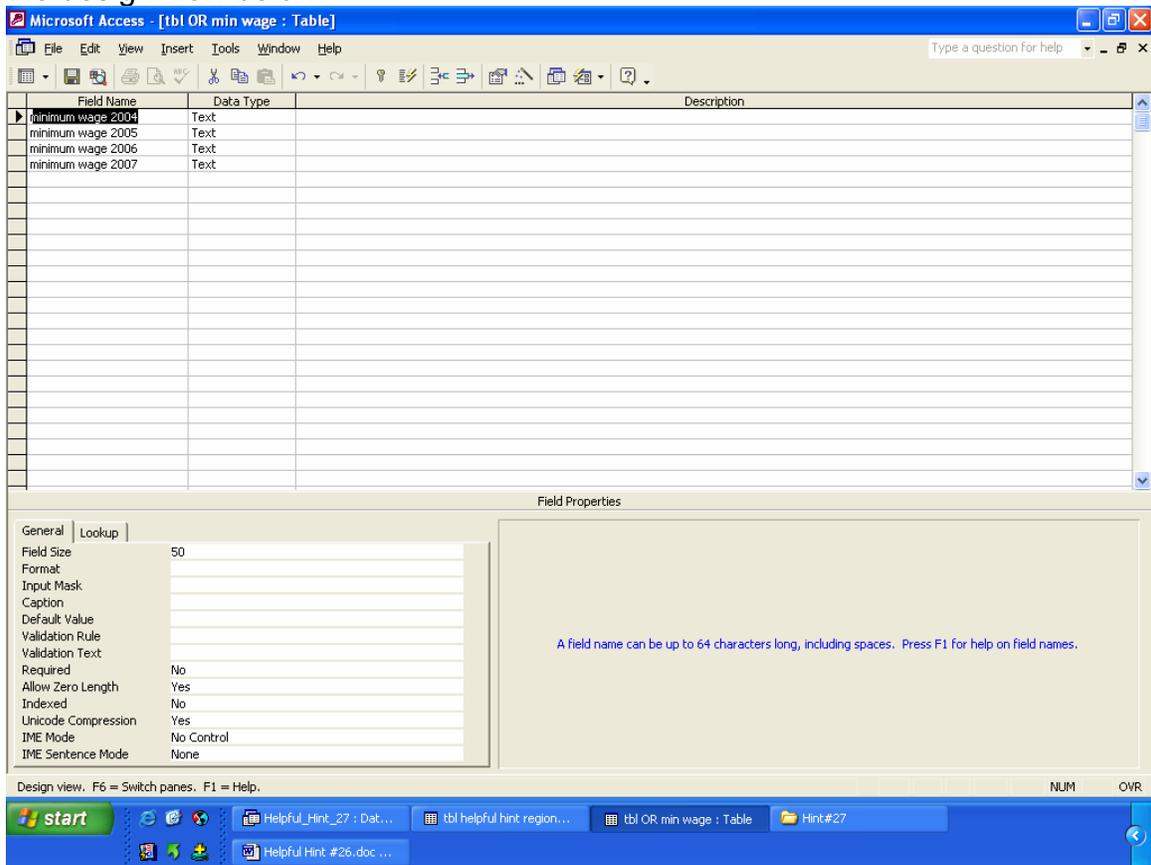
## Helpful Hint #27 – Quarterly Change in Average Wage Gain

This Helpful Hint will demonstrate how to set-up queries and a report that describes quarterly change in average wage gain, by region. This example covers the first two quarters of 2004 – 2007.

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

1. PRISM.POST\_OUTCOME\_PERF\_RPTS
2. PRISM\_AGENCY

First, you need to make a table of Oregon’s minimum wage from 2001-2007. See the design view below.



The data type should be “text”. This way you can simply type the minimum wage into the table when it’s in datasheet view. Minimum wages by year are \$7.05 for 2004; \$7.25 for 2005; \$7.50 for 2006 and \$7.80 for 2007. Call the table ‘tbl OR min wage’.

Now it is time to construct three queries. They are given generic names in this document; feel free to name them what you would like.

The first is a make-table query that compiles all the data you will need for the report. The fields are all from the table ‘PRISM\_POST\_OUTCOME\_PERF\_RPTS’.

OUTCOME\_YEAR\_QTR

Criteria: >="20041"

UNSUB\_PLACEMENT\_YEAR\_QTR (*For all expressions used in this Helpful Hint, only CAF are required to use the unsub\_placement\_year\_qtr*)

Criteria: Or >="20041"

Include these fields: AGENCY\_CODE, WQC\_REGION\_CODE, EMPLOYMENT\_GOAL\_FLAG, POST\_EPISODE\_AVG\_HRLY\_WAGE, POST\_EPISODE\_AVG\_HRS\_WORKED, POST\_EPISODE\_WAGE\_QTRS, POST\_EPISODE\_EMPLOYMENT\_CODE, RETENTION\_CALC\_FLAG, RETAINED\_AVG\_WKLY\_WAGE, RETAINED\_AVG\_HRLY\_WAGE, RETAINED\_AVG\_HRS\_WORKED, WAGE\_GAIN\_CALC\_FLAG, WAGE\_GAIN\_AVG\_WKLY\_WAGE, WAGE\_GAIN\_AVG\_HRLY\_WAGE, WAGE\_GAIN\_AVG\_HRS\_WORKED, RETENTION\_QTRS, CONTINUOUS\_EMPLOYMENT\_IND, POST\_EPISODE\_PRI\_NAICS\_CODE

Name the table 'Temp YearQtr'.

The second query makes a table list that displays average quarterly wage gain and change in wage gain for all regions. It covers the years 2001-2007.

Choose the tables; ***there are no links between these tables in this query.***

Temp YearQtr

Tbl OR min wage

Select the following fields and criteria. Be sure to click "Σ" on the toolbar.

Group by

WQC\_REGION\_CODE

Temp YearQtr

Expression:

Placement 20041: CCur(Round(Avg(If(([WAGE\_GAIN\_CALC\_FLAG]="1") And  
((([OUTCOME\_YEAR\_QTR]="20041") Or  
([UNSUB\_PLACEMENT\_YEAR\_QTR]="20041")) And  
([POST\_EPISODE\_AVG\_HRLY\_WAGE]>0) And  
([WAGE\_GAIN\_AVG\_HRLY\_WAGE]>0),[POST\_EPISODE\_AVG\_HRLY\_WAGE]  
)),2))

Expression:

```
5thQTRwage 20041: CCur(Round(Avg(If(([WAGE_GAIN_CALC_FLAG]="1")
And (([OUTCOME_YEAR_QTR]="20041") Or
([UNSUB_PLACEMENT_YEAR_QTR]="20041")) And
([POST_EPISODE_AVG_HRLY_WAGE]>0) And
([WAGE_GAIN_AVG_HRLY_WAGE]>0),[WAGE_GAIN_AVG_HRLY_WAGE])),2
))
```

Expression:

```
AvgWageGain 20041: CCur(Round([5thQTRwage 20041]-[Placement
20041],2.2))
```

Expression:

```
Placement 20042: CCur(Round(Avg(If(([WAGE_GAIN_CALC_FLAG]="1") And
(([OUTCOME_YEAR_QTR]="20042") Or
([UNSUB_PLACEMENT_YEAR_QTR]="20042")) And
([POST_EPISODE_AVG_HRLY_WAGE]>0) And
([WAGE_GAIN_AVG_HRLY_WAGE]>0),[POST_EPISODE_AVG_HRLY_WAGE]
)),2))
```

Expression:

```
5thQTRwage 20042: CCur(Round(Avg(If(([WAGE_GAIN_CALC_FLAG]="1")
And (([OUTCOME_YEAR_QTR]="20042") Or
([UNSUB_PLACEMENT_YEAR_QTR]="20042")) And
([POST_EPISODE_AVG_HRLY_WAGE]>0) And
([WAGE_GAIN_AVG_HRLY_WAGE]>0),[WAGE_GAIN_AVG_HRLY_WAGE])),2
))
```

Expression:

```
AvgWageGain 20042: CCur(Round([5thQTRwage 20042]-[Placement
20042],2.2))
```

Copy and paste these expressions for 2005-2007. Change the year/quarter designation within each expression.

Next add data from 'tbl OR min wage':

Use the Group by in each of these fields:

minimum wage 2004, minimum wage 2005, minimum wage 2006, minimum wage 2007

The final fields are as follows:

Where:

WQC\_REGION\_CODE

Temp YearQtr

Criteria: <>"W00"

Name the new table 'tbl helpful hint 27'. It should look like this.

### First part

WQC_REGION_CODE	Placement 2004	5thQTRwage 2004	AvgWageGain 2004	Placement 2005	5thQTRwage 2005	AvgWageGain 2005	Change 2004-2005	Placement 2006	5thQTRwage 2006	AvgWageGain 2006
W01	\$12.11	\$13.09	\$0.98	\$11.55	\$13.12	\$1.57	\$0.59	\$12.51	\$13.89	
W02	\$13.12	\$14.30	\$1.18	\$12.75	\$14.63	\$1.88	\$0.70	\$13.74	\$15.03	
W03	\$11.75	\$12.88	\$1.13	\$11.21	\$12.92	\$1.71	\$0.58	\$11.65	\$13.06	
W04	\$11.89	\$13.17	\$1.28	\$10.92	\$12.23	\$1.31	\$0.03	\$12.02	\$13.42	
W05	\$10.99	\$12.27	\$1.28	\$11.09	\$12.78	\$1.69	\$0.41	\$11.41	\$12.68	
W06	\$10.48	\$11.80	\$1.32	\$10.60	\$12.23	\$1.63	\$0.31	\$10.92	\$12.01	
W07	\$10.56	\$11.41	\$0.85	\$10.92	\$12.12	\$1.20	\$0.35	\$10.55	\$11.77	
W08	\$10.50	\$11.58	\$1.08	\$10.20	\$11.93	\$1.73	\$0.65	\$11.10	\$12.19	
W09	\$11.80	\$12.23	\$0.43	\$11.25	\$12.61	\$1.36	\$0.93	\$11.57	\$12.50	
W10	\$11.25	\$12.60	\$1.35	\$10.97	\$12.51	\$1.54	\$0.19	\$11.63	\$13.02	
W11	\$11.16	\$11.69	\$0.53	\$9.74	\$11.09	\$1.35	\$0.82	\$11.94	\$12.84	
W12	\$10.58	\$11.41	\$0.83	\$10.49	\$11.41	\$0.92	\$0.09	\$10.51	\$11.43	
W13	\$11.37	\$12.48	\$1.11	\$10.93	\$12.41	\$1.48	\$0.37	\$12.45	\$13.48	
W14	\$10.30	\$11.31	\$1.01	\$10.30	\$11.26	\$0.96	(\$0.05)	\$11.51	\$12.09	
W15	\$13.74	\$14.95	\$1.21	\$13.06	\$15.15	\$2.09	\$0.88	\$14.21	\$15.45	

Last part.

AvgWageGain	Placement 2007	5thQTRwage 20	AvgWageGain 2	Change 20071-	minimum wage	minimum wage	minimum wage	minimum wage
\$1.27	\$13.62	\$15.43	\$1.81	\$0.54	\$7.05	\$7.25	\$7.50	\$7.80
\$0.67	\$15.05	\$16.59	\$1.54	\$0.87	\$7.05	\$7.25	\$7.50	\$7.80
\$0.98	\$14.02	\$15.72	\$1.70	\$0.72	\$7.05	\$7.25	\$7.50	\$7.80
\$1.21	\$13.61	\$15.58	\$1.97	\$0.76	\$7.05	\$7.25	\$7.50	\$7.80
\$0.98	\$12.98	\$14.74	\$1.76	\$0.78	\$7.05	\$7.25	\$7.50	\$7.80
\$0.96	\$12.87	\$13.94	\$1.07	\$0.11	\$7.05	\$7.25	\$7.50	\$7.80
\$1.05	\$12.54	\$14.10	\$1.56	\$0.51	\$7.05	\$7.25	\$7.50	\$7.80
\$0.49	\$12.60	\$13.66	\$1.06	\$0.57	\$7.05	\$7.25	\$7.50	\$7.80
\$0.90	\$12.56	\$14.80	\$2.24	\$1.34	\$7.05	\$7.25	\$7.50	\$7.80
\$0.69	\$13.42	\$14.81	\$1.39	\$0.70	\$7.05	\$7.25	\$7.50	\$7.80
\$0.74	\$12.73	\$13.28	\$0.55	(\$0.19)	\$7.05	\$7.25	\$7.50	\$7.80
\$0.75	\$11.55	\$12.91	\$1.36	\$0.61	\$7.05	\$7.25	\$7.50	\$7.80
\$0.70	\$11.98	\$13.34	\$1.36	\$0.66	\$7.05	\$7.25	\$7.50	\$7.80
\$1.16	\$11.09	\$11.87	\$0.78	(\$0.38)	\$7.05	\$7.25	\$7.50	\$7.80
\$0.84	\$15.97	\$17.54	\$1.57	\$0.73	\$7.05	\$7.25	\$7.50	\$7.80

The third query is an append query that adds statewide data to the table you just made. Simply copy the query that makes 'tbl helpful hint 27', go into design view,

Delete the following field:

Group by  
 WQC\_REGION\_CODE  
 Temp YearQtr

Title it 'qry helpful hint regions append'. The result should look like this.

Microsoft Access - [tbl helpful hint regions : Table]

File Edit View Insert Format Records Tools Window Help

Type a question for help

WQC_REGION	Placement 2004	5thQTRwage 20	AvgWageGain 2	Placement 2004	5thQTRwage 20	AvgWageGain 2	Change 20041-2	Placement 2005	5thQTRwage 20	AvgWageGain 2
W01	\$12.11	\$13.09	\$0.98	\$11.55	\$13.12	\$1.57	\$0.59	\$12.51	\$13.89	
W02	\$13.12	\$14.30	\$1.18	\$12.75	\$14.63	\$1.88	\$0.70	\$13.74	\$15.03	
W03	\$11.75	\$12.88	\$1.13	\$11.21	\$12.92	\$1.71	\$0.58	\$11.65	\$13.06	
W04	\$11.89	\$13.17	\$1.28	\$10.92	\$12.23	\$1.31	\$0.03	\$12.02	\$13.42	
W05	\$10.99	\$12.27	\$1.28	\$11.09	\$12.78	\$1.69	\$0.41	\$11.41	\$12.68	
W06	\$10.48	\$11.80	\$1.32	\$10.60	\$12.23	\$1.63	\$0.31	\$10.92	\$12.01	
W07	\$10.56	\$11.41	\$0.85	\$10.92	\$12.12	\$1.20	\$0.35	\$10.55	\$11.77	
W08	\$10.50	\$11.58	\$1.08	\$10.20	\$11.93	\$1.73	\$0.65	\$11.10	\$12.19	
W09	\$11.80	\$12.23	\$0.43	\$11.25	\$12.61	\$1.36	\$0.93	\$11.57	\$12.50	
W10	\$11.25	\$12.60	\$1.35	\$10.97	\$12.51	\$1.54	\$0.19	\$11.63	\$13.02	
W11	\$11.16	\$11.69	\$0.53	\$9.74	\$11.09	\$1.35	\$0.82	\$11.94	\$12.84	
W12	\$10.58	\$11.41	\$0.83	\$10.49	\$11.41	\$0.92	\$0.09	\$10.51	\$11.43	
W13	\$11.37	\$12.48	\$1.11	\$10.93	\$12.41	\$1.48	\$0.37	\$12.45	\$13.48	
W14	\$10.30	\$11.31	\$1.01	\$10.30	\$11.26	\$0.96	(\$0.05)	\$11.51	\$12.09	
W15	\$13.74	\$14.95	\$1.21	\$13.06	\$15.15	\$2.09	\$0.88	\$14.21	\$15.45	
*	\$12.09	\$13.24	\$1.15	\$11.69	\$13.38	\$1.69	\$0.54	\$12.41	\$13.66	

Record: 1 of 16

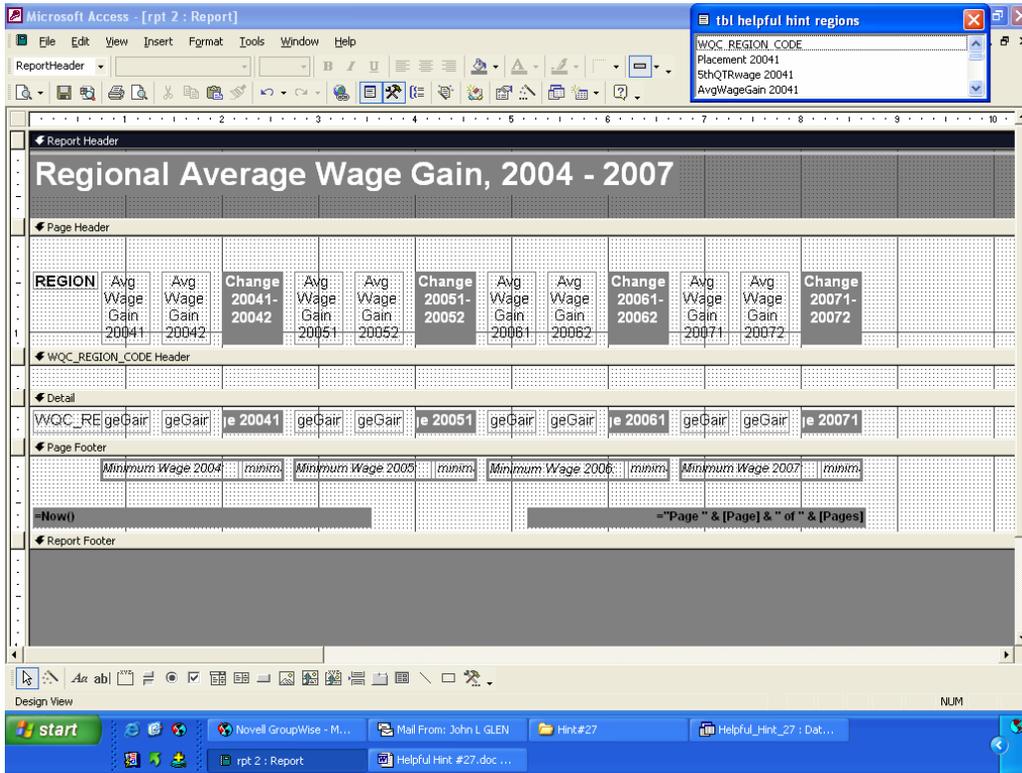
Datasheet View

start

Helpful Hint #27.doc ... Hint#27 Helpful\_Hint\_27 : Dat... tbl helpful hint region...

Type 'Statewide' in the first column of the last row, and delete the W's in the first column of the other rows. This will ensure that your data is displayed on the report with statewide data listed last.

You are now ready to make your report. The following is a design suggestion:



The report looks like this but the data will only reflect the wage gain for your program.

