Features of Excel PivotTables Generated by the QVR System

The QVR System produces several standard reports in Excel PivotTable® Format

This tutorial describes:
The relationship between some of the "Public Saved Queries" and specific Standard Report outputs

Highlights the capabilities of the Excel PivotTables that are generated by the QVR System

June 26, 2003

Relationship Between Public Queries and Standard Reports

There are four Standard Reports for which specific "Public Queries" have been prepared for your convenience.

These Public Queries have pre-selected the search criteria that would logically match the corresponding Standard Report.

The following image shows the linkage between these Public Queries and Standard Reports.

However, it is not required that you use these Public Queries to run the Standard Reports.

Relationship between "Public Queries—Budget" and Budget Standard Reports

Highlights of the Capabilities of the Excel PivotTable Feature of the QVR System

What is a PivotTable?

A PivotTable is a summary of data that is contained in a database—in this case—data downloaded from IMPAC and the Data Warehouse using the QVR system.

The name PivotTable is derived from the feature that data can be analyzed on different dimensions—thus *pivoted* on different fields.

The PivotTable feature is dynamic in that the raw data can be manipulated and the data is re-summarized in the PivotTable.

What Does the Standard Report—PivotTable Contain in QVR?

The Standard Report in QVR usually contains three pages or tabs (lower-left corner of the screen).

Report Criteria: This tab contains the search criteria used to generate the report as well as other pertinent information.

Raw Data: This tab has all of the raw data that goes into the final PivotTable.

Final: This tab is the PivotTable summary of all the data in the Standard Report.

Navigating these tabs will be demonstrated in the example to follow.

Example Search

**IC = NIEHS
Exclude Reimbursable CANs
Use Frozen Pub2002 Data**

Standard Report Selection Screen

Excel Report—Criteria

Excel PivotTable—Raw Data

Microsoft Excel - Bud Pivot table for class 6-10-03.asp-3

File   Edit   View   Insert   Format   Tools   Data   Window   Help

Num	Mech Code	Submech	Admin IC	Type	Actv	Project	CAN	Reimb CAN	Awd Tot $(by CAN)	Comm Base
1	Other Research Related	310 RES. CAREERS	ES	1	K22	ES011031-01	8420865	N	108,000	
2	Other Research Related	310 RES. CAREERS	ES	1	K22	ES011027-01	8420865	N	103,828	
3	Other Research Related	310 RES. CAREERS	ES	1	K22	ES011033-01	8420865	N	76,800	
4	Other Research Related	310 RES. CAREERS	ES	1	K22	ES000375-01A1	8420865	N	108,000	
5	Research Projects	100 RPG	ES	1	R15	ES011141-01	8425421	N	142,000	
6	Research Projects	100 RPG	ES	2	R01	ES004176-13	8420864	N	218,250	
7	Research Centers	210 CENTERS SPEC/COMP	P20			ES011278-01	8423861	N	392,348	
8	Training, Individual	410 INDIV NRSA	F32			ES011245-01	8423865	N	0	
9	Research Projects	100 RPG			R01	ES011288-01	8420864	N	317,486	
10	Research Centers	210 CENTERS SPEC/COMP	ES	2	P30	ES005705-11	8423862	N	377,500	
11	Research Projects	100 RPG	ES	1	R01	ES011305-01	8420815	N	236,286	
12	Research Projects	100 RPG	ES	1	R01	ES011295-01	8420864	N	284,000	
13	Research Projects	100 RPG	ES	1	R01	ES011297-01	8420815	N	334,125	
14	Research Projects	100 RPG	ES	1	R01	ES011294-01	8420832	N	267,499	
15	Research Centers	210 CENTERS SPEC/COMP	ES	2	P30	ES009106-05	8423861	N	1,431,228	
16	Other Research Related	310 RES. CAREERS	ES	1	K08	ES011302-01	8420865	N	127,508	
17	Research Centers	210 CENTERS SPEC/COMP	ES	2	P30	ES006096-11	8423861	N	1,469,304	
18	Other Research Related	100 RPG	HL	1	R13	HL069204-01	8420864	N	5,000	
19	Research Projects	100 RPG	ES	1	R01	ES011331-01	8420864	N	264,639	
20	Research Centers	210 CENTERS SPEC/COMP	ES	2	P30	ES005707-11	8423861	N	1,436,512	
21	Research Projects	100 RPG	ES	1	R01	ES011317-01	8420832	N	338,590	
22	Research Projects	100 RPG	ES	2	R01	ES009558-05A1	8420864	N	326,000	
23	Research Projects	100 RPG	ES	1	R01	ES010553-01A2	8420864	N	305,416	
24	Research Projects	100 RPG	ES	1	R01	ES011005-01A1	8420815	N	151,000	
25	Research Projects	100 RPG	ES	1	R01	ES010859-01A1	8420864	N	289,725	
26	Research Projects	100 RPG	ES	2	R01	ES007259-05A2	8420864	N	300,000	
27	Research Projects	100 RPG	ES	1	R01	ES010922-01A1	8420832	N	516,196	
28	Research Projects	100 RPG	ES	9	R01	ES011858-11A1	8420864	N	530,033	
29	Research Projects	100 RPG	ES	1	R01	ES010975-01A1	8420864	N	903,345	
30	Research Projects	100 RPG	ES	2	R01	ES007747-08	8420864	N	385,240	
31	Research Projects	100 RPG	ES	1	R01	ES011000-01A1	8420864	N	344,459	
32	Other Research Related	100 RPG	CA	1	R13	CA094249-01	8420864	N	5,000	
33	Other Research Related	100 RPG	CA	1	R13	CA094247-01	8420864	N	3,000	
34	Research Projects	100 RPG	ES	1	R01	ES011831-01	8420864	N	240,250	

Select

Sheet2 / Final / RawData / ReportCriteria / Sheet3 /

Ready   Sum=10344938823

Excel PivotTable—Raw Data

Microsoft Excel - Bud Pivot table for class 6-10-03.asp-3

File Edit View Insert Format Tools Data Window Help

A1

	A	B	C	D	E	F	G	H	I	J	K
1											
2	Num	Mech Code	Submech	Admin IC	Type	Actv	Project	CAN	Reimb CAN	Awd Tot $(by CAN)	Comm Base
3	1	Other Research Related	(All)	ES	1	K22	ES011031-01	8420865	N	108,000	
4	2	Other Research Related	(Top 10...)	ES	1	K22	ES011027-01	8420865	N	103,828	
5	3	Other Research Related	(Custom...)	ES	1	K22	ES011033-01	8420865	N	76,800	
6	4	Other Research Related	100 RPG	ES	1	K22	ES000375-01A1	8420865	N	108,000	
7	5	Research Projects	190 SB GRANTS					3425421	N	142,000	
8	6	Research Projects	310 RES. CAREERS					20864	N	218,250	
9	7	Research Centers	410 INDIV NRSA					23861	N	392,348	
10	8	Training Individual	450 INST NRSA					23865	N	0	
11			(Blanks)					20864	N	317,486	
12			(NonBlanks)					23862	N	377,500	
13	11	Research Projects	100 RPG					20815	N	236,286	
14	12	Research Projects	100 RPG					420864	N	284,000	
15	13	Research Projects	100 RPG	ES	1	R01	ES011297-01	8420815	N	334,125	
16	14	Research Projects	100 RPG	ES	1	R01	ES011294-01	8420832	N	267,499	
17	15	Research Centers	210 CENTERS SPEC/COMP	ES	2	P30	ES009106-05	8423861	N	1,431,228	
18	16	Other Research Related	310 RES. CAREERS	ES	1	K08	ES011302-01	8420865	N	127,508	
19	17	Research Centers	210 CENTERS SPEC/COMP	ES	2	P30	ES006096-11	8423861	N	1,469,304	
20	18	Other Research Related	100 RPG	HL	1	R13	HL069204-01	8420864	N	5,000	
21	19	Research Projects	100 RPG	ES	1	R01	ES011331-01	8420864	N	264,639	
22	20	Research Centers	210 CENTERS SPEC/COMP	ES	2	P30	ES005707-11	8423861	N	1,436,512	
23	21	Research Projects	100 RPG	ES	1	R01	ES011317-01	8420832	N	338,590	
24	22	Research Projects	100 RPG	ES	2	R01	ES009558-05A1	8420864	N	326,000	
25	23	Research Projects	100 RPG	ES	1	R01	ES010553-01A2	8420864	N	305,416	
26	24	Research Projects	100 RPG	ES	1	R01	ES011005-01A1	8420815	N	151,000	
27	25	Research Projects	100 RPG	ES	1	R01	ES010859-01A1	8420864	N	289,725	
28	26	Research Projects	100 RPG	ES	2	R01	ES007259-05A2	8420864	N	300,000	
29	27	Research Projects	100 RPG	ES	1	R01	ES010922-01A1	8420832	N	516,196	
30	28	Research Projects	100 RPG	ES	9	R01	ES011858-11A1	8420864	N	530,033	
31	29	Research Projects	100 RPG	ES	1	R01	ES010975-01A1	8420864	N	903,345	
32	30	Research Projects	100 RPG	ES	2	R01	ES007747-08	8420864	N	385,240	
33	31	Research Projects	100 RPG	ES	1	R01	ES011000-01A1	8420864	N	344,459	
34	32	Other Research Related	100 RPG	CA	1	R13	CA094249-01	8420864	N	5,000	
35	33	Other Research Related	100 RPG	CA	1	R13	CA094247-01	8420864	N	3,000	
36	34	Research Projects	100 RPG	ES	1	R01	ES011831-01	8420864	N	240,250	

Select

User can select any individual item in the drop-down menu

Sheet2 / Final / RawData / ReportCriteria / Sheet3

Ready

Sum=10344938823

Excel PivotTable—Raw Data

Excel PivotTable

To view a listing of all the data columns in the raw data Select "View"—"Tool Bar"—PivotTable"— "Field List"

Excel PivotTable—Drill Down

Excel PivotTable—Drill Down

Excel PivotTable

Excel PivotTable

Excel PivotTable

Excel PivotTable

(1)
Select "Show All to return to the original PivotTable

(2)
Select

Excel PivotTable

Excel PivotTable

Excel PivotTable

Adding Field to Excel PivotTable

QVR users can add various levels of detail to the Standard Report PivotTable.
This section shows the process step-by-step.

In the PivotTable to follow (Budget—Total Award Frozen Data) only a few items are included in the Standard Report PivotTable; however, the raw data contains may additional data items. In this example, a user wants to include CAN in the Standard Report PivotTable.

Adding Field to Excel PivotTable

Click and drag any item into the PivotTable

Adding Item to Excel PivotTable

Note Column added to PivotTable and data is automatically recalculated

Adding Sub-Field to Excel PivotTable

QVR users can modify the PivotTable to analyze data on a sub-field.
This section shows the process step by step.

In the PivotTable (Budget—Total Award Frozen Data) the user wants to analyze the data on the AIDS category. The AIDS data is downloaded as part of the raw data but it is not one of the data items in the final PivotTable.

Adding Sub-Field to Excel PivotTable

Adding Sub-Field to Excel PivotTable

Adding Sub-Field to Excel PivotTable

Adding Sub-Field to Excel PivotTable

Inserting a Calculated Field onto an Excel PivotTable

QVR users may want to insert calculated fields in the Standard Report PivotTables.
This section shows the process step by step.

In the following example, the user wants to make an estimate of what the total awarded funds would be for each budget category if that column of data is incremented upwards by 7 percent.

Inserting a Calculated Field onto an Excel PivotTable

To do this, you must first make sure that **Macros are disabled.**

Note: When you generate a Standard Report in QVR, it is necessary to "Enable Macros" to achieve the proper formatting of the report. However, once the file is saved on your hard drive, the macros are no longer necessary.

1) Open the Budget PivotTable file used in the previous example.
2) A dialog box appears. Select **Disable Macros**.

Inserting a Calculated Field onto an Excel PivotTable

Inserting a Calculated Field onto an Excel PivotTable

Inserting a Calculated Field onto an Excel PivotTable

Inserting a Calculated Field onto an Excel PivotTable

Inserting a Calculated Field onto an Excel PivotTable

Insert name of new field "Awd Tot + 7%"

Inserting a Calculated Field onto an Excel PivotTable

Inserting a Calculated Field onto an Excel PivotTable

Inserting a Calculated Field onto an Excel PivotTable

Inserting a Calculated Field onto an Excel PivotTable

Inserting a Calculated Field onto an Excel PivotTable

Microsoft Excel - Bud Pivot table for 01-03 sp-3

File   Edit   View   Insert   Format   Tools   Data   Window   Help

D10 — Awd Tot $

The new column of data is calculated

	A	B	C	D	E	F	G	H
1	Co-Fund	(All)						
2	PCC	(All)						
3	RFA/PA Number	(All)						
4	Actv	(All)						
5	Type	(All)						
6	Reimb CAN	(All)						
7	Admin IC	(All)						
8	CAN	(All)						
9								
10	**Mechanism**	**Submechanism**	**Comp**	**Awd Tot $**	**Comm FY+1**	**Comm FY+2**	**Comm FY+3**	**Comm FY+4**	**Awd Tot + 7%**
11	Research Projects	100 RPG	N	200,090,436	164,460,560	129,899,806	46,660,157	36,110	214,096,767
12			Y	48,546,430	47,193,834	43,189,531	38,728,056	25,776,331	51,944,680
13		100 RPG Total		248,636,866	211,654,394	173,089,337	85,388,213	25,812,441	266,041,447
14		(blank)	N	0	0	117,786	0	0	0
15		(blank) Total		0	0	117,786	0	0	0
16	Research Projects Total			248,636,866	211,654,394	173,207,123	85,388,213	25,812,441	266,041,447
17								
18	SBIR-STTR	100 RPG	Y	2,331,116	2,037,296	0	0	0	2,494,294
19		100 RPG Total		2,331,116	2,037,296	0	0	0	2,494,294
20		190 SB GRANTS	N	3,868,217					4,138,992
21			Y	4,710,795	3,581,229	1,091,142	0	0	5,040,551
22		190 SB GRANTS Total		8,579,012	3,581,229	1,091,142	0	0	9,179,543
23	SBIR-STTR Total			10,910,128	5,618,525	1,091,142	0	0	11,673,837
24								
25	Research Centers	100 RPG	N	2,872,067					3,073,112
26		100 RPG Total		2,872,067					3,073,112
27		210 CENTERS SPEC/COMP	N	25,391,005	18,145,081	9,732,550	5,846,769	1,642,995	27,168,375
28			Y	9,608,995	9,850,454	9,568,846	9,267,967	9,382,222	10,281,625
29		210 CENTERS SPEC/COMP Total		35,000,000	27,995,535	19,301,396	15,114,736	11,025,217	37,450,000
30	Research Centers Total			37,872,067	27,995,535	19,301,396	15,114,736	11,025,217	40,523,112
31								
32	Other Research Related	100 RPG	N	41,273,436	32,581,240	30,165,299	3,671,888	2,290,027	44,162,577
33			Y	2,182,737	1,816,720	1,789,302	1,766,907	1,531,581	2,335,529
34		100 RPG Total		43,456,173	34,397,960	31,954,601	5,438,795	3,821,608	46,498,105
35		310 RES. CAREERS	N	3,854,958	3,107,505	1,974,376	956,425	0	4,124,805
36			Y	1,071,122	1,092,345	1,096,974	354,993	355,297	1,146,101
37		310 RES. CAREERS Total		4,926,080	4,199,850	3,071,350	1,311,418	355,297	5,270,906
38	Other Research Related Total			48,382,253	38,597,810	35,025,951	6,750,213	4,176,905	51,769,011

Final / RawData / ReportCriteria / Sheet3 /

Ready

Creating PivotTable on Different Sheets

QVR users can create additional PivotTables on different sheets using the Standard Report PivotTables.

This section shows the process step by step.

In the following example, the user wants to make separate PivotTables for each PCC.

Creating PivotTable on Different Sheets

Screenshot of Microsoft Excel - Bud Pivot table for class 6-10-03.asp-3

Callout: 1) Select "PivotTable" 2) Select "Show Pages"

	A	B	C	D	E	F	G	H
1	Co-Fund	(All)						
2	PCC	(All)						
3	RFA/PA Number	(All)						
4	Actv	(All)						
5	Type	(All)						
6	Reimb CAN	(All)						
7	Admin IC	(All)						
8	CAN	(All)						
9								
10	Mechanism	Submechanism	Comp	Awd Tot $	Comm FY+1	Comm FY+2	Comm FY+3	Comm FY+4
11	Research Projects	100 RPG	N	200,090,436	164,460,560	129,899,806	46,660,157	36,110
12			Y	48,546,430	47,193,834	43,189,531	38,728,056	25,776,331
13		100 RPG Total		248,636,866	211,654,394	173,089,337	85,388,213	25,812,441
14		(blank)	N	0	0	117,786	0	0
15		(blank) Total		0	0	117,786	0	0
16	Research Projects Total			248,636,866	211,654,394	173,207,123	85,388,213	25,812,441
17								
18	SBIR-STTR	100 RPG	Y	2,331,116	2,037,296	0	0	0
19		100 RPG Total		2,331,116	2,037,296	0	0	0
20		190 SB GRANTS	N	3,868,217				
21			Y	4,710,795	3,581,229	1,091,142	0	0
22		190 SB GRANTS Total		8,579,012	3,581,229	1,091,142	0	0
23	SBIR-STTR Total			10,910,128	5,618,525	1,091,142	0	0
24								
25	Research Centers	100 RPG	N	2,872,067				
26		100 RPG Total		2,872,067				
27		210 CENTERS SPEC/COMP	N	25,391,005	18,145,081	9,732,550	5,846,769	1,642,995
28			Y	9,608,995	9,850,454	9,568,846	9,267,967	9,382,222
29		210 CENTERS SPEC/COMP Total		35,000,000	27,995,535	19,301,396	15,114,736	11,025,217
30	Research Centers Total			37,872,067	27,995,535	19,301,396	15,114,736	11,025,217
31								
32	Other Research Related	100 RPG	N	41,273,436	32,581,240	30,165,299	3,671,888	2,290,027
33			Y	2,182,737	1,816,720	1,789,302	1,766,907	1,531,581
34		100 RPG Total		43,456,173	34,397,960	31,954,601	5,438,795	3,821,608
35		310 RES. CAREERS	N	3,854,958	3,107,505	1,974,376	956,425	0
36			Y	1,071,122	1,092,345	1,096,974	354,993	355,297
37		310 RES. CAREERS Total		4,926,080	4,199,850	3,071,350	1,311,418	355,297
38	Other Research Related Total			48,382,253	38,597,810	35,025,951	6,750,213	4,176,905

PivotTable Field List — Drag items to the PivotTable report: Num, Mechanism, Submechanism, Admin IC, Type, Actv, Project, CAN, Reimb CAN, Awd Tot $(by CAN)

Add To — Row Area

Sheet tabs: Final / RawData / ReportCriteria / Sheet3

Ready

Creating PivotTable on Different Sheets

Creating PivotTable on Different Sheets

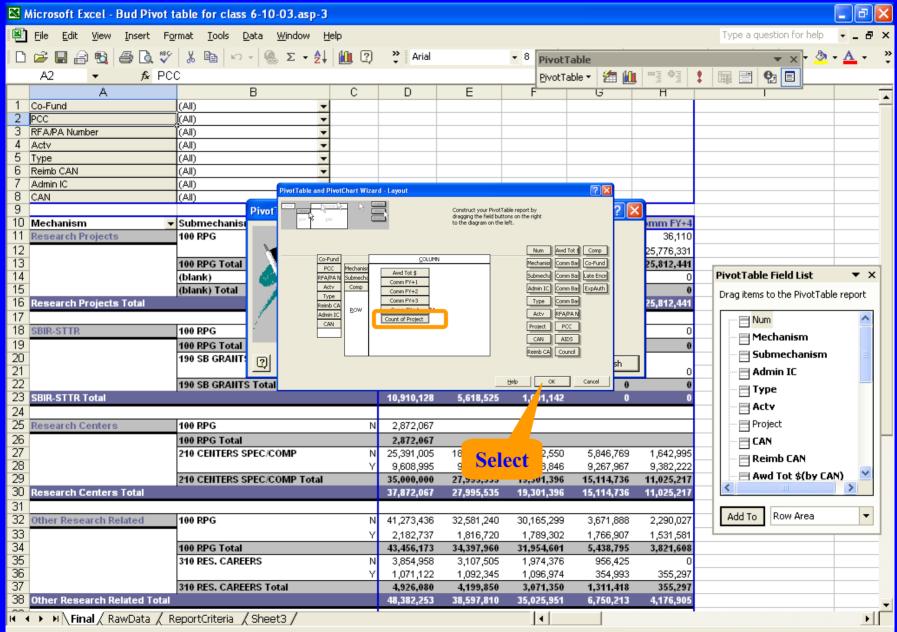PivotTables are created for each PCC

Adding a "Count" Field

QVR users may add columns of data to a Standard Report Pivot Tables.
This section shows the process step by step.

In the following example, the user wants to add a column to the PivotTable that "counts" the number of records in a particular column of data.

Adding a "Count" Field

Microsoft Excel - Bud Pivot table for class 6-10-03.asp-3

File Edit View Insert Format Tools Data Window Help

Arial   8   PivotTable

A2   PCC

1) Select "Data"
2) Select "PivotTable and Pivot Chart Report"

	A	B	C		E	F	G	H
1	Co-Fund	(All)						
2	PCC	(All)						
3	RFA/PA Number	(All)						
4	Actv	(All)						
5	Type	(All)						
6	Reimb CAN	(All)						
7	Admin IC	(All)						
8	CAN	(All)						
9								
10	Mechanism	Submechanism	Comp		Awd Tot $	Comm FY+1	Comm FY+2	Comm FY+3	Comm FY+4
11	Research Projects	100 RPG	N		200,090,436	164,460,560	129,899,806	46,660,157	36,110
12			Y		48,546,430	47,193,834	43,189,531	38,728,056	25,776,331
13		100 RPG Total			248,636,866	211,654,394	173,089,337	85,388,213	25,812,441
14		(blank)	N		0	0	117,786	0	0
15		(blank) Total			0	0	117,786	0	0
16	Research Projects Total				248,636,866	211,654,394	173,207,123	85,388,213	25,812,441
17								
18	SBIR-STTR	100 RPG	Y		2,331,116	2,037,296	0	0	0
19		100 RPG Total			2,331,116	2,037,296	0	0	0
20		190 SB GRANTS	N		3,868,217				
21			Y		4,710,795	3,581,229	1,091,142	0	0
22		190 SB GRANTS Total			8,579,012	3,581,229	1,091,142	0	0
23	SBIR-STTR Total				10,910,128	5,618,525	1,091,142	0	0
24								
25	Research Centers	100 RPG	N		2,872,067				
26		100 RPG Total			2,872,067				
27		210 CENTERS SPEC/COMP	N		25,391,005	18,145,081	9,732,550	5,846,769	1,642,995
28			Y		9,608,995	9,850,454	9,568,846	9,267,967	9,382,222
29		210 CENTERS SPEC/COMP Total			35,000,000	27,995,535	19,301,396	15,114,736	11,025,217
30	Research Centers Total				37,872,067	27,995,535	19,301,396	15,114,736	11,025,217
31								
32	Other Research Related	100 RPG	N		41,273,436	32,581,240	30,165,299	3,671,888	2,290,027
33			Y		2,182,737	1,816,720	1,789,302	1,766,907	1,531,581
34		100 RPG Total			43,456,173	34,397,960	31,954,601	5,438,795	3,821,608
35		310 RES. CAREERS	N		3,854,958	3,107,505	1,974,376	956,425	0
36			Y		1,071,122	1,092,345	1,096,974	354,993	355,297
37		310 RES. CAREERS Total			4,926,080	4,199,850	3,071,350	1,311,418	355,297
38	Other Research Related Total				48,382,253	38,597,810	35,025,951	6,750,213	4,176,905

PivotTable Field List

Drag items to the PivotTable report

- Num
- Mechanism
- Submechanism
- Admin IC
- Type
- Actv
- Project
- CAN
- Reimb CAN
- Awd Tot $(by CAN)

Add To   Row Area

Final / RawData / ReportCriteria / Sheet3 /

Ready

Adding a "Count" Field

Adding a "Count" Field

Adding a "Count" Field

Adding a "Count" Field

Adding a "Count" Field

Microsoft Excel - Bud Pivot table for class 6-10-03.asp-3

New Column added "Count of Projects"

	A	B	C	D	E	F	G	H	I
1	Co-Fund	(All)							
2	PCC	(All)							
3	RFA/PA Number	(All)							
4	Actv	(All)							
5	Type	(All)							
6	Reimb CAN	(All)							
7	Admin IC	(All)							
8	CAN	(All)							
9									
10	**Mechanism**	**Submechanism**	**Comp**	**Awd Tot $**	**Comm FY+1**	**Comm FY+2**	**Comm FY+3**	**Comm FY+4**	**Count of Project**
11	Research Projects	100 RPG	N	200,090,436	164,460,560	129,899,806	46,660,157	36,110	529
12			Y	48,546,430	47,193,834	43,189,531	38,728,056	25,776,331	145
13		100 RPG Total		248,636,866	211,654,394	173,089,337	85,388,213	25,812,441	674
14		(blank)	N	0	0	117,786	0	0	6
15		(blank) Total		0	0	117,786	0	0	6
16	Research Projects Total			248,636,866	211,654,394	173,207,123	85,388,213	25,812,441	680
17									
18	SBIR-STTR	100 RPG	Y	2,331,116	2,037,296	0	0	0	15
19		100 RPG Total		2,331,116	2,037,296	0	0	0	15
20		190 SB GRANTS	N	3,868,217					13
21			Y	4,710,795	3,581,229	1,091,142	0	0	23
22		190 SB GRANTS Total		8,579,012	3,581,229	1,091,142	0	0	36
23	SBIR-STTR Total			10,910,128	5,618,525	1,091,142	0	0	51
24									
25	Research Centers	100 RPG	N	2,872,067					4
26		100 RPG Total		2,872,067					4
27		210 CENTERS SPEC/COMP	N	25,391,005	18,145,081	9,732,550	5,846,769	1,642,995	29
28			Y	9,608,995	9,850,454	9,568,846	9,267,967	9,382,222	13
29		210 CENTERS SPEC/COMP Total		35,000,000	27,995,535	19,301,396	15,114,736	11,025,217	42
30	Research Centers Total			37,872,067	27,995,535	19,301,396	15,114,736	11,025,217	46
31									
32	Other Research Related	100 RPG	N	41,273,436	32,581,240	30,165,299	3,671,888	2,290,027	96
33			Y	2,182,737	1,816,720	1,789,302	1,766,907	1,531,581	57
34		100 RPG Total		43,456,173	34,397,960	31,954,601	5,438,795	3,821,608	153
35		310 RES. CAREERS	N	3,854,958	3,107,505	1,974,376	956,425	0	37
36			Y	1,071,122	1,092,345	1,096,974	354,993	355,297	10
37		310 RES. CAREERS Total		4,926,080	4,199,850	3,071,350	1,311,418	355,297	47
38	Other Research Related Total			48,382,253	38,597,810	35,025,951	6,750,213	4,176,905	200

Final / RawData / ReportCriteria / Sheet3

Ready

Modifying Data

QVR users may want to add, delete or change a record in the raw data and have that recalculated in the Standard Report PivotTables.
This section shows the process step by step.

In the following example, the user deletes two records from the Standard Report PivotTable.

Modifying Data

Modifying Data

Modifying Data

Modifying Data

Instructional annotation on the Excel screenshot:
1) Click "Edit"
2) Click "delete"

Modifying Data

Modifying Data

Microsoft Excel - Bud Pivot table for class 6-10-03.asp-3

1) **Select "Data"**
2) **Select "Refresh Data"**

	A	B	C	D	E	F	G	H
1	Co-Fund	(All)						
2	PCC	(All)						
3	RFA/PA Number	(All)						
4	Actv	(All)						
5	Type	(All)						
6	Reimb CAN	(All)						
7	Admin IC	(All)						
8	CAN	(All)						
9								
10	**Mechanism**	**Submechanism**	**Comp**	**Awd Tot $**	**Comm FY+1**	**Comm FY+2**	**Comm FY+3**	**Comm FY+4**
11	Research Projects	100 RPG	N	200,090,436	164,460,560	129,899,806	46,660,157	36,110
12			Y	48,546,430	47,193,834	43,189,531	38,728,056	25,776,331
13		100 RPG Total		248,636,866	211,654,394	173,089,337	85,388,213	25,812,441
14		(blank)	N	0	0	117,786	0	0
15		(blank) Total		0	0	117,786	0	0
16	Research Projects Total			248,636,866	211,654,394	173,207,123	85,388,213	25,812,441
17								
18	SBIR-STTR	100 RPG	Y	2,331,116	2,037,296	0	0	0
19		100 RPG Total		2,331,116	2,037,296	0	0	0
20		190 SB GRANTS	N	3,868,217				
21			Y	4,710,795	3,581,229	1,091,142	0	0
22		190 SB GRANTS Total		8,579,012	3,581,229	1,091,142	0	0
23	SBIR-STTR Total			10,910,128	5,618,525	1,091,142	0	0
24								
25	Research Centers	100 RPG	N	2,872,067				
26		100 RPG Total		2,872,067				
27		210 CENTERS SPEC/COMP	N	25,391,005	18,145,081	9,732,550	5,846,769	1,642,995
28			Y	9,608,995	9,850,454	9,568,846	9,267,967	9,382,222
29		210 CENTERS SPEC/COMP Total		35,000,000	27,995,535	19,301,396	15,114,736	11,025,217
30	Research Centers Total			37,872,067	27,995,535	19,301,396	15,114,736	11,025,217
31								
32	Other Research Related	100 RPG	N	41,273,436	32,581,240	30,165,299	3,671,888	2,290,027
33			Y	2,182,737	1,816,720	1,789,302	1,766,907	1,531,581
34		100 RPG Total		43,456,173	34,397,960	31,954,601	5,438,795	3,821,608
35		310 RES. CAREERS	N	3,854,958	3,107,505	1,974,376	956,425	0
36			Y	1,071,122	1,092,345	1,096,974	354,993	355,297
37		310 RES. CAREERS Total		4,926,080	4,199,850	3,071,350	1,311,418	355,297
38	Other Research Related Total			48,382,253	38,597,810	35,025,951	6,750,213	4,176,905

PivotTable Field List — Drag items to the PivotTable report

- Num
- Mechanism
- Submechanism
- Admin IC
- Type
- Actv
- Project
- CAN
- Reimb CAN
- Awd Tot $(by CAN)
- Comm Base FY + 1

Add To — Row Area

Final / RawData / ReportCriteria / Sheet3

Modifying Data

Data is recalculated with the two projects deleted.
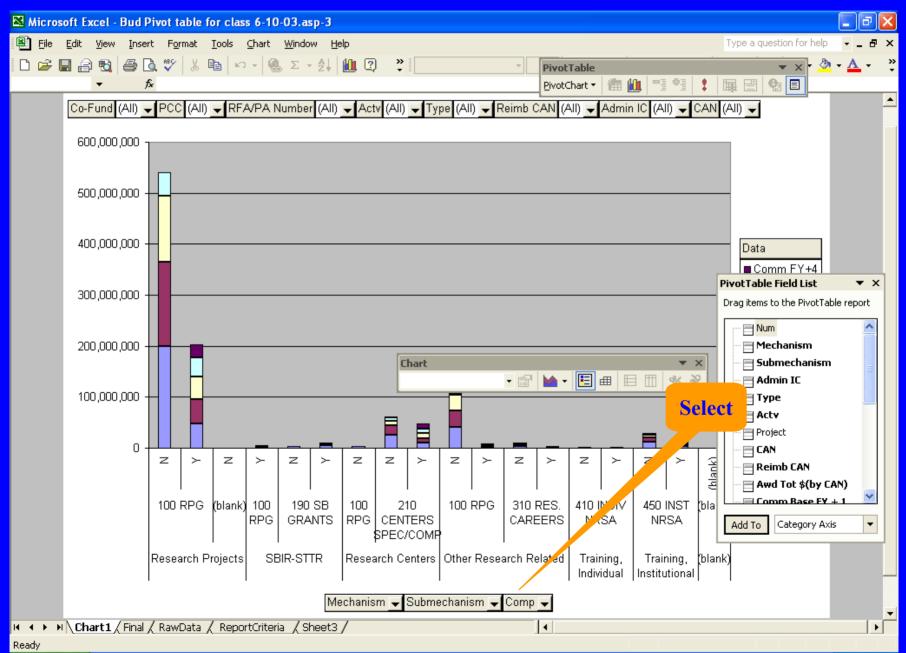
Grand Total is also recalculated.
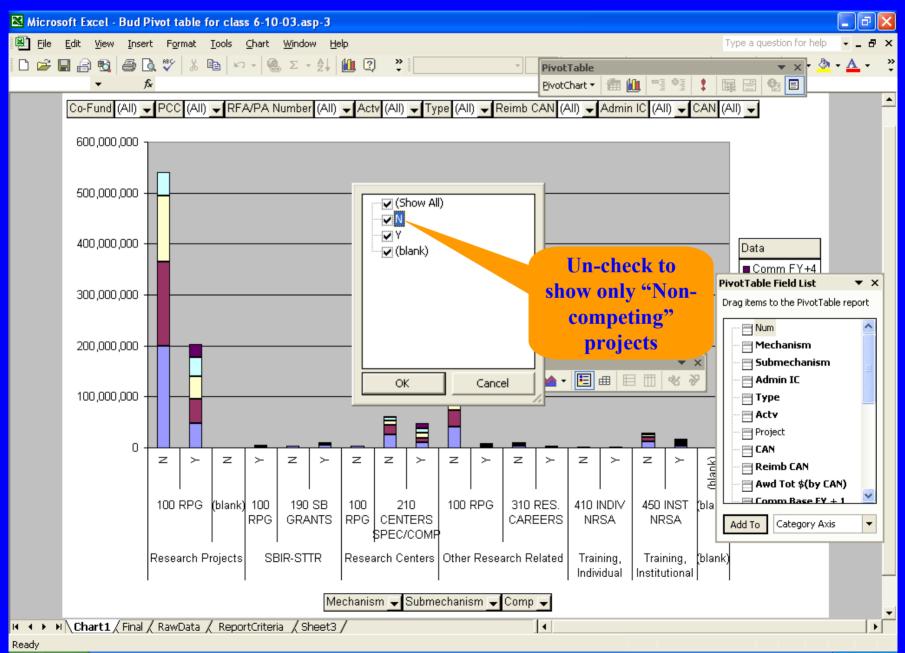
Creating Excel PivotChart

QVR users can display data from a Standard Report PivotTable as a PivotChart.
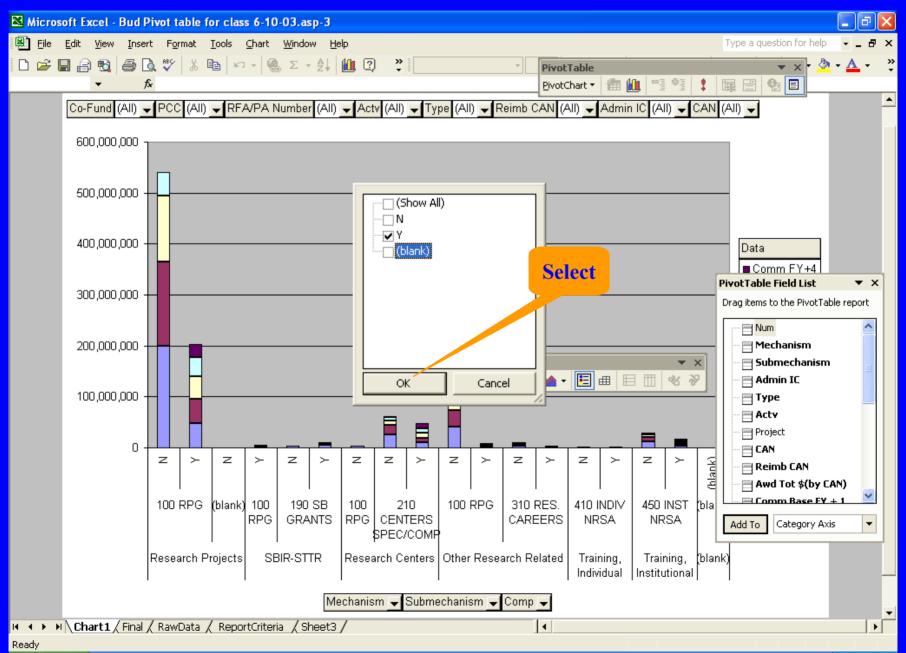This section shows the process step by step.

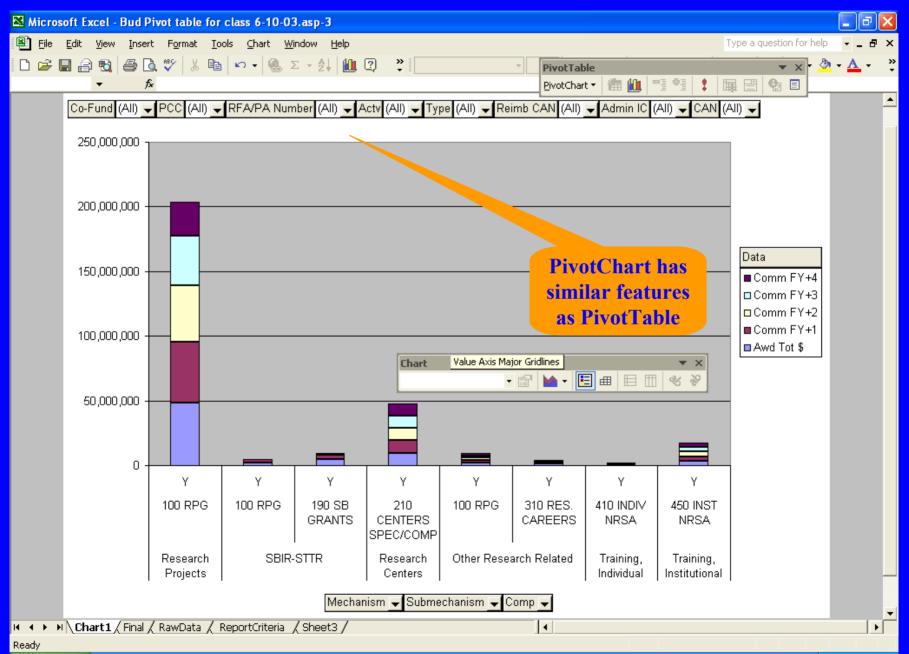PivotCharts have many of the same data manipulation features found in PivotTables.

Creating Excel PivotChart

Click to select PivotChart

Excel PivotChart

Excel PivotChart

Excel PivotChart

Excel PivotChart

Handy References

Microsoft Excel 2000 Bible
John Walkenbach and Will Kelly
Wiley Publishing, Inc., 1999

Using Microsoft Excel 2000 *Special Edition*
Patrick Blattner, Laurie Ulrich,
Ken Cook and Timothy Dyck
Que Corp., 1999