

Contestant Number: _____

Time: _____

Rank: _____



ADVANCED SPREADSHEET APPLICATIONS (235)

REGIONAL 2022

Production:

Job 1: Worksheets with answers and formulas	_____	(383 points)
Job 2: Formatted Worksheet	_____	(170 points)
Job 3: 3-D Pie Chart	_____	(65 points)
TOTAL POINTS	_____	(618 points)

Test Time: 90 minutes

GENERAL GUIDELINES:

Failure to adhere to any of the following rules will result in disqualification:

1. Member must hand in this test booklet and all printouts if any.
2. No equipment, supplies, or materials other than those specified for this event are allowed in the testing area. No previous BPA tests and/or sample tests (handwritten, photocopied, or keyed) are allowed in the testing area.
3. Electronic devices will be monitored according to ACT standards.
4. Put your Member ID and printout number in the right section of the footer on each printout unless instructed otherwise. Your name or initials should *not* appear on any work you submit.
5. If you finish before the end of the testing time, notify the proctor. Time may be a factor in determining the winner in the event of a tie.
6. When turning in your contest, the jobs should be arranged in printout order.

SCENARIO:

You work for PBA Texas Hospital System in the accounting department. Today your manager asked you to create the spreadsheet for three cities in Texas to compare Radiology Medical Procedures completed and the amount of money collected from Insurance companies for these procedures. It covers the first 3 months of this year. The cities are Galveston, Dallas, and El Paso.

Job 1 (Worksheets with answers and formulas)	Points Possible	Points Earned
Member ID and Job # in right section of footer	10	
Ariel Size 11 font used for data	10	
Landscape orientation with narrow margins	10	
Worksheet printed landscape on one page centered vertically and horizontally	10	
Name the first worksheet Galveston	5	
Typed in A1 PBA TEXAS Hospital System – Galveston	5	
Typed in A2 “Insurance Reimbursements”	5	
Information typed starting at A3 with Medical Procedures	20	
Following information in stated cell locations <ul style="list-style-type: none"> • A23: Total • E4: Medical Procedures • E5: MRI • E6: CT • E7: X-Ray • E8: PET • F4: Number of Procedures • G4: Insurance Payments • H4: Average Payment 	9	
Create a new worksheet and name it Dallas	5	
Copy A1:C3 from Galveston worksheet to Dallas worksheet A1:C3	5	
The information was typed starting B4	20	
The following information was placed in the stated cell locations <ul style="list-style-type: none"> • Cell A24: Total • Cell E4: Medical Procedures • Cell E5: MRI • Cell E6: CT • Cell E7: X-Ray • Cell E8: PET • Cell F4: Number of Procedures • Cell G4: Insurance Payments • Cell H4: Average Payment 	9	
Create a new worksheet and name it El Paso	5	
Copy A1:C3 from Galveston worksheet to El Paso worksheet A1:C3	5	
The information was entered starting in B4	20	
The following information was placed in the stated cell locations	9	

<ul style="list-style-type: none"> • A24: Total • E4: Medical Procedures • E5: MRI • E6: CT • E7: X-Ray • E8: PET • F4: Number of Procedures • G4: Insurance Payments • H4: Average Payment 		
In B23 of the Galveston Worksheet, place a function that calculates the total monies that the hospital system collected from insurance payments.	5	
F5:F8, place a function that counts the number of MRI procedures completed	10	
G5:G8 place a function that totals the number of insurance payments for MRI's.	10	
H5:H8, place a function that averages the amount of MRI insurance payments.	10	
B24 of the Dallas Worksheet, place a function that calculates the total monies that the hospital system collected from insurance payments.	5	
F5:F8, place a function that counts the number of MRI procedures completed.	10	
G5:G8 place a function that totals the number of insurance payments for MRI's.	10	
H5:H8, place a function that averages the amount of MRI insurance payments.	10	
B24 of the El Paso Worksheet, place a function that calculates the total monies that the hospital system collected from insurance payments.	5	
F5:F8, place a function that counts the number of MRI procedures completed.	10	
G5:G8 place a function that totals the number of insurance payments for MRI's.	10	
H5:H8, place a function that averages the amount of MRI insurance payments.	10	
F4, place a function that references Galveston's total for insurance payments.	5	
Create a new worksheet and name it PBA Summary.	5	
Move worksheet the worksheet so it is before Galveston.	5	
Copy A1:C3 from Galveston worksheet to PBA Summary worksheet A1:C3	5	
Type the following information in the cells below <ul style="list-style-type: none"> • D3: Percentage of Total • F3: Total • A7: MRI • A8: CT • A9: X-Ray • A10: PET 	6	
Copy A1:C3 from Galveston worksheet to PBA Summary worksheet A1:C3	5	
F5, place a function that references Dallas' total for insurance payments.	5	
F6, place a function that references El Paso's total for insurance payments.	5	
F7, place a function that calculates the total of insurance payments made for all three cities.	5	

B7, place a function that references the Galveston, Dallas, and El Paso's MRI's performed and totals them together.	5	
B8, place a function that references the Galveston, Dallas, and El Paso's CT's performed and totals them together.	5	
B9, place a function that references the Galveston, Dallas, and El Paso's X-Ray's performed and totals them together.	5	
B10, place a function that references the Galveston, Dallas, and El Paso's PET's performed and totals them together.	5	
C7, place a function that references the Galveston, Dallas, and El Paso's insurance payment totals for MRI's.	5	
C8, place a function that references the Galveston, Dallas, and El Paso's insurance payment totals for CT's.	5	
C9, place a function that references the Galveston, Dallas, and El Paso's insurance payment totals for X-Ray's.	5	
C10, place a function that references the Galveston, Dallas, and El Paso's insurance payment totals for PET's.	5	
D7, place an absolute formula that calculates the Percentage of insurance payments made for MRI's.	5	
D8, place an absolute formula that calculates the Percentage of insurance payments made for CT's.	5	
D9, place an absolute formula that calculates the Percentage of insurance payments made for X-Ray's.	5	
D10, place an absolute formula that calculates the Percentage of insurance payments made for PET's.	5	
Print a copy of the worksheet with gridlines and adjust column widths to make all data visible .	5	
Print a copy of the worksheet with gridlines and with the formulas showing .	5	
Subtotal	383	

Job 2 (Formatted worksheet)	Points Possible	Points Earned
Member ID and Job # in right section of footer	10	
In the PGA Summary worksheet, the document theme should be Office.	5	
Merge and center the title A1:H1.	5	
Merge and center the subtitle A2:H2.	5	
Format the company name to Title cell style.	5	
Format the subtitle to Heading 1 cell style.	5	
D7:D10 is percentage with 2 decimal places	5	
Format F4:F6 as currency.	5	
Format F7 to accounting and set with a Total Cell Style.	5	
Group F4:F6 rows.	5	

Move to Galveston worksheet. Merge and center the title A1:H1.	5	
Merge and center the subtitle A2:H2.	5	
Format the company name to Title cell style.	5	
Format the subtitle to Heading 1 cell style.	5	
Format B4:B23 as accounting with zero decimals places.	5	
Format B23 with a Total cell style.	5	
Format G4:G7 as accounting with zero decimal places.	5	
Move to Dallas worksheet. Merge and center the title A1:H1.	5	
Merge and center the subtitle A2:H2.	5	
Format the company name to Title cell style.	5	
Format the subtitle to Heading 1 cell style.	5	
Format B4:B24 as accounting with zero decimals places.	5	
Format B24 with a Total cell style.	5	
Format G4:G7 as accounting with zero decimal places.	5	
Move to El Paso worksheet. Merge and center the title A1:H1.	5	
Merge and center the subtitle A2:H2.	5	
Format the company name to Title cell style.	5	
Format the subtitle to Heading 1 cell style.	5	
Format B4:B24 as accounting with zero decimals places.	5	
Format B24 with a Total cell style.	5	
Format G4:G7 as accounting with zero decimal places.	5	
Increase column width of all columns in all worksheets using auto fit.	5	
Print out the formatted spreadsheet.	5	
Subtotal	170	

Job 3 (3-D Pie Chart)	Points Possible	Points Earned
Member ID and Job # in right section of footer	10	
Select the chart style 8	5	
Chart tab is named PBA Summary Chart	5	
Chart is based on the procedures and the percentage of insurance payment cell locations	10	
Quick Layout 1	5	
Make sure the title of the chart is “Percentage of Insurance Payments”	5	
Title is Rockwell Extra Bold font size 16	10	
Change chart colors to “color 3”.	5	
Make sure there is no legend showing	5	
Print out the formatted chart on one full page in black and white	5	
Subtotal	65	
TOTAL POINTS	638	

JOB 1: Create Spreadsheet with Formulas and functions

1. Set the global options to include the following modifications: Arial, 11pt, Landscape, Centered horizontally and vertically, Fit to One Page, and Narrow Margins.
2. Name the worksheet Galveston.
3. In A1 type PBA TEXAS Hospital System-Galveston and in A2 type Insurance Reimbursements.
4. Type the information from the image below:

	A	B	C
3	Medical Procedure	Insurance Paym	Account #
4	PET	1632	1711
5	CT	1313	1457
6	PET	1587	1491
7	MRI	1844	1759
8	CT	1978	1764
9	X-Ray	958	1304
10	X-Ray	972	1504
11	X-Ray	933	1504
12	CT	1846	1583
13	X-Ray	927	1660
14	CT	1769	1068
15	MRI	1634	1073
16	CT	1794	1325
17	X-Ray	879	1494
18	MRI	1522	1647
19	CT	1831	1239
20	MRI	1785	1645
21	X-Ray	912	1700
22	CT	1623	1767

5. Place the following information in the stated cell locations:
 - A23: Total
 - E3: Medical Procedures
 - E4: MRI
 - E5: CT
 - E6: X-Ray
 - E7: PET
 - F3: Number of Procedures
 - G3: Insurance Payments
 - H3: Average Payment

6. Create a new worksheet and name it Dallas.
7. Copy A1:C3 from Galveston worksheet to Dallas worksheet A1:C3 and in A1 change “Galveston” to “Dallas”.
8. Type the following information:

	A	B	C
4	X-Ray	1732	2882
5	PET	1413	2538
6	X-Ray	1487	2788
7	CT	1744	2602
8	CT	1878	2917
9	X-Ray	1058	2122
10	PET	1688	2598
11	MRI	1722	2416
12	CT	1746	2399
13	X-Ray	937	2265
14	MRI	1759	2664
15	PET	1534	2603
16	X-Ray	979	2415
17	X-Ray	779	2249
18	MRI	1622	2813
19	PET	1745	2188
20	MRI	1985	1817
21	PET	1623	2665
22	X-Ray	945	2578
23	MRI	1238	2283

9. Place the following information in the stated cell locations:
 - A24: Total
 - E3: Medical Procedures
 - E4: MRI
 - E5: CT
 - E6: X-Ray
 - E7: PET
 - F3: Number of Procedures
 - G3: Insurance Payments
 - H3: Average Payment
10. Create a new worksheet and name it El Paso.
11. Copy A1:C3 from Galveston worksheet to El Paso worksheet A1:C3 and in A1 change “Dallas” to “El Paso”.

12. Type the following information pictured below:

	A	B	C
4	X-Ray	732	3112
5	PET	1813	3652
6	X-Ray	852	3801
7	CT	1844	3721
8	CT	1778	3508
9	X-Ray	1008	3189
10	PET	1788	3268
11	MRI	1922	3305
12	CT	1846	3918
13	X-Ray	987	3827
14	MRI	1659	3578
15	PET	1834	3615
16	X-Ray	933	3495
17	X-Ray	775	3385
18	MRI	1722	3222
19	PET	1845	3485
20	MRI	1885	3748
21	PET	1923	3691
22	X-Ray	965	3938
23	MRI	1585	3802

13. Place the following information in the following cell locations:

- A24: Total
- E3: Medical Procedures
- E4: MRI
- E5: CT
- E6: X-Ray
- E7: PET
- F3: Number of Procedures
- G3: Insurance Payments
- H3: Average Payment

14. Return to Galveston worksheet.
15. In B23, place a function that calculates the total monies that the hospital system collected from insurance payments.
16. In F4, place a function that counts the number of MRI procedures completed and fill this function down to F7.
17. In G4, place a function that totals the number of insurance payments for MRI's and fill this function down to G7.
18. In H4, place a function that averages the amount of MRI insurance payments and fill this function down to H7.
19. Move to Dallas worksheet.
20. In B24, place a function that calculates the total monies that the hospital system collected from insurance payments.
21. In F4, place a function that counts the number of MRI procedures completed and fill this function down to F7.
22. In G4, place a function that totals the number of insurance payments for MRI's and fill this function down to G7.
23. In H4, place a function that averages the amount of MRI insurance payments and fill this function down to H7.
24. Move to El Paso worksheet.
25. In B24, place a function that calculates the total monies that the hospital system collected from insurance payments.
26. In F4, place a function that counts the number of MRI procedures completed and fill this function down to F7.
27. In G4, place a function that totals the number of insurance payments for MRI's and fill this function down to G7.
28. In H4, place a function that averages the amount of MRI insurance payments and fill this function down to H7.
29. Create a new worksheet and name it PBA Summary.
30. Move the worksheet so it is before Galveston.
31. Copy A1:C3 from Galveston worksheet to PBA Summary worksheet A1:C3
32. Type the following information in the cells below
 - D3: Percentage of Total
 - F3: Total
 - A7: MRI
 - A8: CT
 - A9: X-Ray
 - A10: PET
33. In F4, place a function that references Galveston's total for insurance payments.
34. In F5, place a function that references Dallas' total for insurance payments.
35. In F6, place a function that references El Paso's total for insurance payments.
36. In F7, place a function that calculates the total of insurance payments made for all three cities.
37. In B7, place a function that references the Galveston, Dallas, and El Paso's MRI's performed and totals them together.
38. In B8, place a function that references the Galveston, Dallas, and El Paso's CT's performed and totals them together.
39. In B9, place a function that references the Galveston, Dallas, and El Paso's X-Ray's performed and totals them together.

40. In B10, place a function that references the Galveston, Dallas, and El Paso's PET's performed and totals them together.
41. In C7, place a function that references the Galveston, Dallas, and El Paso's insurance payment totals for MRI's.
42. In C8, place a function that references the Galveston, Dallas, and El Paso's insurance payment totals for CT's.
43. In C9, place a function that references the Galveston, Dallas, and El Paso's insurance payment totals for X-Ray's.
44. In C10, place a function that references the Galveston, Dallas, and El Paso's insurance payment totals for PET's.
45. In D7, place an absolute formula that calculates the Percentage of insurance payments made for MRI's.
46. In D8, place an absolute formula that calculates the Percentage of insurance payments made for CT's.
47. In D9, place an absolute formula that calculates the Percentage of insurance payments made for X-Ray's.
48. In D10, place an absolute formula that calculates the Percentage of insurance payments made for PET's.
49. Print a copy of the worksheet with gridlines and adjust column widths to **make all data visible**.
50. Print a copy of the worksheet with gridlines, adjust column widths to make all data visible and **formulas showing**.

JOB 2: Format the Spreadsheet you created in Job 1 using the following instructions:

1. In the PBA Summary worksheet, the document theme should be Office.
2. Merge and center the title A1:H1.
3. Merge and center the subtitle A2:H2.
4. Format the company name to Title cell style.
5. Format the subtitle to Heading 1 cell style.
6. Format D7:D10 to percentage with 2 decimal places.
7. Format F4:F6 as currency.
8. Format F7 to accounting and set with a Total Cell Style.
9. Group F4:F6 rows.
10. Move to Galveston worksheet.
11. Merge and center the title A1 through H1.
12. Merge and center the subtitle A2 through H2.
13. Format the company name to Title cell style.
14. Format the subtitle to Heading 1 cell style.
15. Format B4:B23 as accounting with zero decimals places.
16. Format B23 with a Total cell style.
17. Format G4:G7 as accounting with zero decimal places.
18. Move to Dallas worksheet.
19. Merge and center the title A1 through H1.
20. Merge and center the subtitle A2 through H2.
21. Format the company name to Title cell style.
22. Format the subtitle to Heading 1 cell style.

23. Format B4:B24 as accounting with zero decimals places.
 24. Format B24 with a Total cell style.
 25. Format G4:G7 as accounting with zero decimal places.
 26. Move to El Paso worksheet.
 27. Merge and center the title A1 through H1.
 28. Merge and center the subtitle A2 through H2.
 29. Format the company name to Title cell style.
 30. Format the subtitle to Heading 1 cell style.
 31. Format B4:B24 as accounting with zero decimals places.
 32. Format B24 with a Total cell style.
 33. Format G4:G7 as accounting with zero decimal places.
 34. Increase column width of all columns in all worksheets using auto fit. Need to see all information.
 35. Print out the formatted spreadsheet.
-

JOB 3: Create a 3-D Pie Chart

Create a 3-D Pie chart from the PBA Summary spreadsheet covering the procedures and the percentage of insurance payments. Move the chart to its own sheet and name the chart tab “PBA Summary Chart”. Format the chart with the following.

- Select the chart style 8
- Quick Layout 1
- Make sure the title of the chart is “Percentage of Insurance Payments.”
- Title is Rockwell Extra Bold font size 16
- Change chart colors to “color 3”.
- Make sure there is no legend showing.
- Print out the formatted chart on one full page in black and white.

You should have the following printouts:

Job 1—Unformatted

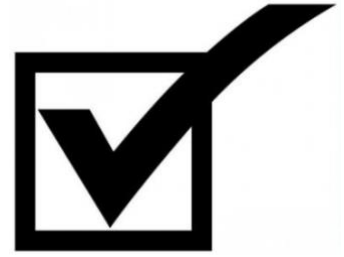
Job 1—Formulas

Job 2—Formatted

Job 3—3-D Pie Chart



**BUSINESS
PROFESSIONALS**
of AMERICA
Giving Purpose to Potential



ADVANCED SPREADSHEET APPLICATIONS (235)

REGIONAL 2022

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Job 1: Worksheets with Answers and Formulas	_____	(383 points)
Job 2: Formatted Worksheet	_____	(170 points)
Job 3: 3-D Pie Chart	_____	(65 points)
TOTAL POINTS	_____	(618 points)

Test Time: 90 minutes

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SCENARIO:

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Ariel Size 11 font used for data	10	
Landscape orientation with narrow margins	10	
Worksheet printed landscape on one page centered vertically and horizontally	10	
Name the first worksheet Galveston	5	
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Typed in A2 “Insurance Reimbursements”	5	
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Following information in stated cell locations <ul style="list-style-type: none"> • A23: Total • E4: Medical Procedures • E5: MRI • E6: CT • E7: X-Ray • E8: PET • F4: Number of Procedures • G4: Insurance Payments • H4: Average Payment 	9	
Create a new worksheet and name it Dallas	5	
Copy A1:C3 from Galveston worksheet to Dallas worksheet A1:C3	5	
The information was typed starting B4	20	
The following information was placed in the stated cell locations <ul style="list-style-type: none"> • Cell A24: Total • Cell E4: Medical Procedures • Cell E5: MRI • Cell E6: CT • Cell E7: X-Ray • Cell E8: PET • Cell F4: Number of Procedures • Cell G4: Insurance Payments • Cell H4: Average Payment 	9	
Create a new worksheet and name it El Paso	5	
Copy A1:C3 from Galveston worksheet to El Paso worksheet A1:C3	5	
The information was entered starting in B4	20	
The following information was placed in the stated cell locations	9	

<ul style="list-style-type: none"> • A24: Total • E4: Medical Procedures • E5: MRI • E6: CT • E7: X-Ray • E8: PET • F4: Number of Procedures • G4: Insurance Payments • H4: Average Payment 		
In B23 of the Galveston Worksheet, place a function that calculates the total monies that the hospital system collected from insurance payments.	5	
F5:F8, place a function that counts the number of MRI procedures completed	10	
G5:G8 place a function that totals the number of insurance payments for MRI's.	10	
H5:H8, place a function that averages the amount of MRI insurance payments.	10	
B24 of the Dallas Worksheet, place a function that calculates the total monies that the hospital system collected from insurance payments.	5	
F5:F8, place a function that counts the number of MRI procedures completed.	10	
G5:G8 place a function that totals the number of insurance payments for MRI's.	10	
H5:H8, place a function that averages the amount of MRI insurance payments.	10	
B24 of the El Paso Worksheet, place a function that calculates the total monies that the hospital system collected from insurance payments.	5	
F5:F8, place a function that counts the number of MRI procedures completed.	10	
G5:G8 place a function that totals the number of insurance payments for MRI's.	10	
H5:H8, place a function that averages the amount of MRI insurance payments.	10	
F4, place a function that references Galveston's total for insurance payments.	5	
Create a new worksheet and name it PBA Summary.	5	
Move worksheet the worksheet so it is before Galveston.	5	
Copy A1:C3 from Galveston worksheet to PBA Summary worksheet A1:C3	5	
Type the following information in the cells below <ul style="list-style-type: none"> • D3: Percentage of Total • F3: Total • A7: MRI • A8: CT • A9: X-Ray • A10: PET 	6	
Copy A1:C3 from Galveston worksheet to PBA Summary worksheet A1:C3	5	
F5, place a function that references Dallas' total for insurance payments.	5	
F6, place a function that references El Paso's total for insurance payments.	5	
F7, place a function that calculates the total of insurance payments made for all three cities.	5	

B7, place a function that references the Galveston, Dallas, and El Paso's MRI's performed and totals them together.	5	
B8, place a function that references the Galveston, Dallas, and El Paso's CT's performed and totals them together.	5	
B9, place a function that references the Galveston, Dallas, and El Paso's X-Ray's performed and totals them together.	5	
B10, place a function that references the Galveston, Dallas, and El Paso's PET's performed and totals them together.	5	
C7, place a function that references the Galveston, Dallas, and El Paso's insurance payment totals for MRI's.	5	
C8, place a function that references the Galveston, Dallas, and El Paso's insurance payment totals for CT's.	5	
C9, place a function that references the Galveston, Dallas, and El Paso's insurance payment totals for X-Ray's.	5	
C10, place a function that references the Galveston, Dallas, and El Paso's insurance payment totals for PET's.	5	
D7, place an absolute formula that calculates the Percentage of insurance payments made for MRI's.	5	
D8, place an absolute formula that calculates the Percentage of insurance payments made for CT's.	5	
D9, place an absolute formula that calculates the Percentage of insurance payments made for X-Ray's.	5	
D10, place an absolute formula that calculates the Percentage of insurance payments made for PET's.	5	
Print a copy of the worksheet with gridlines and adjust column widths to make all data visible .	5	
Print a copy of the worksheet with gridlines and with the formulas showing .	5	
Subtotal	383	

Job 2 (Formatted worksheet)	Points Possible	Points Earned
Member ID and Job # in right section of footer	10	
In the PGA Summary worksheet, the document theme should be Office.	5	
Merge and center the title A1:H1.	5	
Merge and center the subtitle A2:H2.	5	
Format the company name to Title cell style.	5	
Format the subtitle to Heading 1 cell style.	5	
D7:D10 is percentage with 2 decimal places	5	
Format F4:F6 as currency.	5	
Format F7 to accounting and set with a Total Cell Style.	5	
Group F4:F6 rows.	5	

Move to Galveston worksheet. Merge and center the title A1:H1.	5	
Merge and center the subtitle A2:H2.	5	
Format the company name to Title cell style.	5	
Format the subtitle to Heading 1 cell style.	5	
Format B4:B23 as accounting with zero decimals places.	5	
Format B23 with a Total cell style.	5	
Format G4:G7 as accounting with zero decimal places.	5	
Move to Dallas worksheet. Merge and center the title A1:H1.	5	
Merge and center the subtitle A2:H2.	5	
Format the company name to Title cell style.	5	
Format the subtitle to Heading 1 cell style.	5	
Format B4:B24 as accounting with zero decimals places.	5	
Format B24 with a Total cell style.	5	
Format G4:G7 as accounting with zero decimal places.	5	
Move to El Paso worksheet. Merge and center the title A1:H1.	5	
Merge and center the subtitle A2:H2.	5	
Format the company name to Title cell style.	5	
Format the subtitle to Heading 1 cell style.	5	
Format B4:B24 as accounting with zero decimals places.	5	
Format B24 with a Total cell style.	5	
Format G4:G7 as accounting with zero decimal places.	5	
Increase column width of all columns in all worksheets using auto fit.	5	
Print out the formatted spreadsheet.	5	
Subtotal	170	

Job 3 (3-D Pie Chart)	Points Possible	Points Earned
Member ID and Job # in right section of footer	10	
Select the chart style 8	5	
Chart tab is named PBA Summary Chart	5	
Chart is based on the procedures and the percentage of insurance payment cell locations	10	
Quick Layout 1	5	
Make sure the title of the chart is “Percentage of Insurance Payments”	5	
Title is Rockwell Extra Bold font size 16	10	
Change chart colors to “color 3”.	5	
Make sure there is no legend showing	5	
Print out the formatted chart on one full page in black and white	5	
Subtotal	65	
TOTAL POINTS	638	

JOB 1 - Unformatted

PBA's Texas Hospital System				
Insurance Reimbursements Summary				
Medical Procedure	Number of Procedures	Insurance Payments	Percentage of Total	Total
				27739
				29614
				29696
MRI	14	23884	0.274374203	87049
CT	13	22990	0.264104125	
X-Ray	20	19750	0.226883709	
PET	12	20425	0.234637963	

PBA TEXAS Hospital System - Galveston						
Insurance Reimbursements						
Medical Procedure	Insurance Payment	Account #	Medical Procedure	Number of	Insurance Payments	Average Payment
PET	1632	1711	MRI	4	6785	1696.25
CT	1313	1457	CT	7	12154	1738.285714
PET	1587	1491	X-Ray	6	5581	930.1666667
MRI	1844	1759	PET	2	3219	1609.5
CT	1978	1764				
X-Ray	958	1304				
X-Ray	972	1504				
X-Ray	933	1504				
CT	1846	1583				
X-Ray	927	1660				
CT	1769	1068				
MRI	1634	1073				
CT	1794	1325				
X-Ray	879	1494				
MRI	1522	1647				
CT	1831	1239				
MRI	1785	1645				
X-Ray	912	1700				
CT	1623	1767				
Total	27739					

ADVANCED SPREADSHEET APPLICATIONS

REGIONAL KEY 2022

PBA TEXAS Hospital System - Dallas						
Insurance Reimbursements						
Medical Procedure	Insurance Payment	Account #	Medical Procedure	Number of Procedures	Insurance Payments	Average Payment
X-Ray	1732	2882	MRI	5	8328	1665.2
PET	1413	2538	CT	3	5368	1789.333333
X-Ray	1487	2788	X-Ray	7	7917	1131
CT	1744	2602	PET	5	8003	1600.6
CT	1878	2917				
X-Ray	1058	2122				
PET	1688	2598				
MRI	1722	2416				
CT	1746	2399				
X-Ray	937	2265				
MRI	1759	2664				
PET	1534	2603				
X-Ray	979	2415				
X-Ray	779	2249				
MRI	1622	2813				
PET	1745	2188				
MRI	1985	1817				
PET	1623	2665				
X-Ray	945	2578				
MRI	1238	2283				
Total	29614					

PBA TEXAS Hospital System -El Paso						
Insurance Reimbursements						
Medical Procedure	Insurance Payment	Account #	Medical Procedure	Number of Procedures	Insurance Payments	Average Payment
X-Ray	732	3112	MRI	5	8773	1754.6
PET	1813	3652	CT	3	5468	1822.666667
X-Ray	852	3801	X-Ray	7	6252	893.1428571
CT	1844	3721	PET	5	9203	1840.6
CT	1778	3508	PET	5	9203	1840.6
X-Ray	1008	3189				
PET	1788	3268				
MRI	1922	3305				
CT	1846	3918				
X-Ray	987	3827				
MRI	1659	3578				
PET	1834	3615				
X-Ray	933	3495				
X-Ray	775	3385				
MRI	1722	3222				
PET	1845	3485				
MRI	1885	3748				
PET	1923	3691				
X-Ray	965	3938				
MRI	1585	3802				
Total	29696					

JOB 1 – Formula

PBA's Texas Hospital System						
Insurance Reimbursements						
Medical Procedure	Number of Procedures	Insurance Payments	Percentage of Total	Total		
				=Galveston!\$B\$23		
				=Dallas!\$B\$24		
				=El Paso!\$B\$24		
MRI	=SUM(Galveston!F5+Dallas!F5+El Paso!F5)	=SUM(El Paso!G5+Dallas!G5+Galveston!G5)	=C7/\$F\$7	=SUM(F4:F6)		
CT	=SUM(Galveston!F6+Dallas!F6+El Paso!F6)	=SUM(El Paso!G6+Dallas!G6+Galveston!G6)	=C8/\$F\$7			
X-Ray	=SUM(Galveston!F7+Dallas!F7+El Paso!F7)	=SUM(El Paso!G7+Dallas!G7+Galveston!G7)	=C9/\$F\$7			
PET	=SUM(Galveston!F8+Dallas!F8+El Paso!F8)	=SUM(El Paso!G8+Dallas!G8+Galveston!G8)	=C10/\$F\$7			

ADVANCED SPREADSHEET APPLICATIONS

REGIONAL KEY 2022

PBA TEXAS Hospital						
Insurance Reimburse						
Medical Procedure	Insurance Payment	Account #	Medical Procedure	Number of Procedures	Insurance Payments	Average Payment
PET	1632	1711				
CT	1313	1457	MRI	=COUNTIF(Procedure.E5	=SUMIF(Procedure.E5,Insurance_Paymen	=AVERAGEIF(Procedure.E5,Insurance_Paymen
PET	1587	1491	CT	=COUNTIF(Procedure.E6	=SUMIF(Procedure.E6,Insurance_Paymen	=AVERAGEIF(Procedure.E6,Insurance_Paymen
MRI	1844	1759	X-Ray	=COUNTIF(Procedure.E7	=SUMIF(Procedure.E7,Insurance_Paymen	=AVERAGEIF(Procedure.E7,Insurance_Paymen
CT	1978	1764	PET	=COUNTIF(Procedure.E8	=SUMIF(Procedure.E8,Insurance_Paymen	=AVERAGEIF(Procedure.E8,Insurance_Paymen
X-Ray	958	1304				
X-Ray	972	1504				
X-Ray	933	1504				
CT	1846	1583				
X-Ray	927	1660				
CT	1769	1068				
MRI	1634	1073				
CT	1794	1325				
X-Ray	879	1494				
MRI	1522	1647				
CT	1831	1239				
MRI	1785	1645				
X-Ray	912	1700				
CT	1623	1767				
Total	=SUM(B4:B22)					

PBA TEXAS Hospital						
Insurance Reimburse						
Medical Procedure	Insurance Payment	Account #	Medical Procedure	Number of Procedures	Insurance Payments	Average Payment
X-Ray	1732	2882				
PET	1413	2538	MRI	=COUNTIF(\$A4:\$A23,E5	=SUMIF(\$A4:\$A23,E5,\$B4:\$B23	=AVERAGEIF(Procedure_dallas,E5,insurance_payment_dalla
X-Ray	1487	2788	CT	=COUNTIF(\$A4:\$A23,E6	=SUMIF(\$A4:\$A23,E6,\$B4:\$B23	=AVERAGEIF(Procedure_dallas,E6,insurance_payment_dalla
CT	1744	2602	X-Ray	=COUNTIF(\$A4:\$A23,E7	=SUMIF(\$A4:\$A23,E7,\$B4:\$B23	=AVERAGEIF(Procedure_dallas,E7,insurance_payment_dalla
CT	1878	2917	PET	=COUNTIF(\$A4:\$A23,E8	=SUMIF(\$A4:\$A23,E8,\$B4:\$B23	=AVERAGEIF(Procedure_dallas,E8,insurance_payment_dalla
X-Ray	1058	2122				
PET	1688	2598				
MRI	1722	2416				
CT	1746	2399				
X-Ray	937	2266				
MRI	1759	2664				
PET	1534	2603				
X-Ray	879	2416				
X-Ray	779	2249				
MRI	1622	2813				
PET	1745	2188				
MRI	1985	1817				
PET	1623	2665				
X-Ray	945	2578				
MRI	1238	2283				
Total	=SUM(B4:B23)					

PBA TEXAS Hospital						
Insurance Reimburse						
Medical Procedure	Insurance Payment	Account #	Medical Procedure	Number of Procedures	Insurance Payments	Average Payment
X-Ray	732	3112				
PET	1813	3852	MRI	=COUNTIF(\$A4:\$A23,E5	=SUMIF(\$A4:\$A23,E5,\$B4:\$B23	=AVERAGEIF(Procedure_El Paso,E5,insurance_payment_elpas
X-Ray	852	3801	CT	=COUNTIF(\$A4:\$A23,E6	=SUMIF(\$A4:\$A23,E6,\$B4:\$B23	=AVERAGEIF(Procedure_El Paso,E6,insurance_payment_elpas
CT	1844	3721	X-Ray	=COUNTIF(\$A4:\$A23,E7	=SUMIF(\$A4:\$A23,E7,\$B4:\$B23	=AVERAGEIF(Procedure_El Paso,E7,insurance_payment_elpas
CT	1778	3508	PET	=COUNTIF(\$A4:\$A23,E8	=SUMIF(\$A4:\$A23,E8,\$B4:\$B23	=AVERAGEIF(Procedure_El Paso,E8,insurance_payment_elpas
X-Ray	1008	3189				
PET	1788	3284				
MRI	1922	3305				
CT	1846	3914				
X-Ray	987	3827				
MRI	1959	3578				
PET	1834	3915				
X-Ray	933	3495				
X-Ray	775	3385				
MRI	1722	3222				
PET	1845	3485				
MRI	1885	3748				
PET	1929	3891				
X-Ray	965	3938				
MRI	1585	3802				
Total	=SUM(B4:B23)					

JOB 2 – Formatted

PBA's Texas Hospital System
Insurance Reimbursements Summary

Medical Procedure	Number of Procedures	Insurance Payments	Percentage of Total	Total
				\$ 27,739
				\$ 29,614
				\$ 29,696
MRI	14	23884	27.44%	\$ 87,049
CT	13	22990	26.41%	
X-Ray	20	19750	22.69%	
PET	12	20425	23.46%	

PBA TEXAS Hospital System - Galveston

Insurance Reimbursements

Medical Procedure	Insurance Payments	Account #	Medical Procedure	Number of Procedures	Insurance Payments	Average Payment
PET	\$ 1,632	1711	MRI	4	\$ 6,785	\$ 1,696
CT	\$ 1,313	1457	CT	7	\$ 12,154	\$ 1,736
PET	\$ 1,587	1491	X-Ray	6	\$ 5,581	\$ 930
MRI	\$ 1,844	1759	PET	2	\$ 3,219	\$ 1,610
CT	\$ 1,978	1764				
X-Ray	\$ 958	1304				
X-Ray	\$ 972	1504				
X-Ray	\$ 933	1504				
CT	\$ 1,846	1583				
X-Ray	\$ 927	1660				
CT	\$ 1,769	1068				
MRI	\$ 1,634	1073				
CT	\$ 1,794	1325				
X-Ray	\$ 879	1494				
MRI	\$ 1,522	1647				
CT	\$ 1,831	1239				
MRI	\$ 1,785	1645				
X-Ray	\$ 912	1700				
CT	\$ 1,623	1767				
Total	\$ 27,739					

PBA TEXAS Hospital System - Dallas

Insurance Reimbursements

Medical Procedure	Insurance Payment	Account #	Medical Procedure	Number of Procedures	Insurance Payments	Average Payment
X-Ray	\$ 1,732	2882	MRI	5	\$ 8,326	\$ 1,665
PET	\$ 1,413	2538	CT	3	\$ 5,368	\$ 1,789
X-Ray	\$ 1,487	2788	X-Ray	7	\$ 7,917	\$ 1,131
CT	\$ 1,744	2602	PET	5	\$ 8,003	\$ 1,601
CT	\$ 1,878	2917				
X-Ray	\$ 1,058	2122				
PET	\$ 1,688	2598				
MRI	\$ 1,722	2416				
CT	\$ 1,746	2399				
X-Ray	\$ 937	2265				
MRI	\$ 1,759	2664				
PET	\$ 1,534	2603				
X-Ray	\$ 979	2415				
X-Ray	\$ 779	2249				
MRI	\$ 1,622	2813				
PET	\$ 1,745	2188				
MRI	\$ 1,985	1817				
PET	\$ 1,623	2665				
X-Ray	\$ 945	2578				
MRI	\$ 1,238	2283				
Total	\$ 29,614					

PBA TEXAS Hospital System -El Paso

Insurance Reimbursements

Medical Procedure	Insurance Payments	Account #	Medical Procedure	Number of Procedures	Insurance Payments	Average Payment
X-Ray	\$ 732	\$ 3,112	MRI	5	\$ 8,773	\$ 1,755
PET	\$ 1,813	\$ 3,652	CT	3	\$ 5,468	\$ 1,823
X-Ray	\$ 852	\$ 3,801	X-Ray	7	\$ 6,252	\$ 893
CT	\$ 1,844	\$ 3,721	PET	5	\$ 9,203	\$ 1,841
CT	\$ 1,778	\$ 3,508				
X-Ray	\$ 1,008	\$ 3,189				
PET	\$ 1,788	\$ 3,268				
MRI	\$ 1,922	\$ 3,305				
CT	\$ 1,846	\$ 3,918				
X-Ray	\$ 987	\$ 3,827				
MRI	\$ 1,659	\$ 3,578				
PET	\$ 1,834	\$ 3,615				
X-Ray	\$ 933	\$ 3,495				
X-Ray	\$ 775	\$ 3,385				
MRI	\$ 1,722	\$ 3,222				
PET	\$ 1,845	\$ 3,485				
MRI	\$ 1,885	\$ 3,748				
PET	\$ 1,923	\$ 3,691				
X-Ray	\$ 965	\$ 3,938				
MRI	\$ 1,585	\$ 3,802				
Total	\$ 29,696					

JOB 2 – 3-D Chart

PERCENTAGE OF INSURANCE PAYMENTS

