

# ETM & INFORMATICS



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# agenda

**ETM INFORMATICS DEMONSTRATION:** Roxann Cook

**Results!**

Antonio Nevares

**Project Highlights**

Roxann Cook

# Key Issues?

- Combining Data from Multiple Sources
  - TES Batch Summary
  - TES Current Transaction Report
  - TES Nightly Extraction Report
  - ETM Tasks
- 10-12 hours of Manual Processes
- Combine multiple files which equates to 30-50 reports

# Key outcomes impacted

- Combining Multiple Databases
- Time/Cost Savings (8-12 hrs per week by BAR Group)
- Minimize manual process error
- Advanced reporting of multiple sources

# Winning Outcomes

## Increase Efficiency:

- Reduction of manual processes by 8-12 per week
- New process automatically:
  - Combines data from multiple sources
  - Creates report for each Billing Area Affiliated Group
  - Summarizes report for the organization

# Results – Informatics Focused

## **Above and beyond Informatics enhancements delivered:**

- Runtime improvements
- Automated distribution via email
- User friendly graphs, drill downs, and extended level of data
- Ability to set security for reporting data
- Ability to use existing reports/dashboards to create others

# Project Highlights – Daily Revenue Manual Process

TES Batch Summary	TES Batch Summary	TES Batch Summary	TES Current Transaction Report	TES Nightly BAR Extraction Report	Fatal Edit List	Fatal Edit List	Ecommerce Website	BAR MTD by Group	BAR MTD by Group	BAR MTD by Group
TES Charges Entered	TES Txns Entered	TES Adjustments	TES Edits	TES \$\$ Extracted to BAR	Claim Form Edits	Credentialing Edits	Ecommerce PEI Edits/277ca's	BAR Charges MTD	BAR Payments MTD	Current AR Total
\$ 455,185.25	2144	\$ (393.00)	\$ 1,026,074.75	\$ 99,063.00	\$ 77,944.24	\$ 33,205.00	\$ 534,763.57	\$ 96,928.00	\$ 23,256.91	\$ 18,642,604.72
\$ 482,294.11	2641	\$ (2,369.00)	\$ 1,094,190.36	\$ 383,776.00	\$ 66,290.39	\$ 31,363.00	\$ 547,057.91	\$ 480,998.00	\$ 186,920.17	\$ 18,622,731.96
\$ 356,821.00	1855	\$ 522.00	\$ 1,061,436.11	\$ 368,053.25	\$ 58,397.43	\$ 31,517.00	\$ 537,002.26	\$ 848,087.25	\$ 382,735.75	\$ 18,401,160.20
\$ 101,234.00	424	\$ -	\$ 1,094,264.61	\$ 66,797.50	\$ 58,755.69	\$ 31,671.00	\$ 542,348.88	\$ 914,423.75	\$ 382,735.75	\$ 18,467,296.70
\$ 140,027.00	1010	\$ (359.00)	\$ 1,239,597.11	\$ 130,524.50	\$ 63,922.69	\$ 31,671.00	\$ 534,045.59	\$ 1,044,948.25	\$ 384,567.26	\$ 21,425,393.49
\$ 161,434.50	376	\$ -		\$ 59,743.50				\$ 1,104,391.75	\$ 384,567.26	\$ 21,485,141.99
\$ 55,089.00	175	\$ -		\$ 12,590.00				\$ 1,116,820.75	\$ 384,567.26	\$ 18,665,411.41
\$ 289,285.50	1973	\$ (823.00)	\$ 1,248,402.11	\$ 267,263.50	\$ 68,881.66	\$ 31,671.00	\$ 532,755.26	\$ 1,390,246.25	\$ 987,383.67	\$ 17,463,476.26
\$ 602,035.25	2836	\$ 828.00	\$ 1,348,229.36	\$ 495,304.00	\$ 57,026.12	\$ 31,671.00	\$ 515,825.87	\$ 1,885,298.25	\$ 1,240,356.89	\$ 17,275,584.86
\$ 293,863.00	1913	\$ (873.00)	\$ 1,245,618.36	\$ 354,801.00	\$ 48,990.22	\$ 31,517.00	\$ 530,920.78	\$ 2,239,235.25	\$ 1,567,165.89	\$ 16,819,929.92
\$ 480,555.00	2434	\$ 474,061.00	\$ 1,757,087.86	\$ 420,080.50	\$ 50,190.72	\$ 31,517.00	\$ 513,494.76	\$ 2,658,258.75	\$ 2,001,139.15	\$ 16,144,610.44
\$ 397,943.75	1720	\$ 2,486.00	\$ 1,827,769.86	\$ 317,641.75	\$ 43,036.09	\$ 31,517.00	\$ 502,716.23	\$ 2,973,900.50	\$ 2,127,112.01	\$ 16,132,031.68
\$ 163,298.00	397	\$ 7,413.00		\$ 250,117.00				\$ 3,223,556.50	\$ 2,127,112.01	\$ 16,381,013.18
\$ 199,134.25	481	\$ (1,786.00)		\$ 104,821.25				\$ 3,327,916.75	\$ 2,127,112.01	\$ 16,480,367.43
\$ 486,195.50	1649	\$ (692.00)	\$ 1,997,293.86	\$ 315,085.00	\$ 46,415.84	\$ 31,517.00	\$ 494,633.80	\$ 3,644,452.75	\$ 2,364,202.77	\$ 16,131,715.83
\$ 750,349.00	3111	\$ (54,683.00)	\$ 1,930,188.86	\$ 568,269.50	\$ 48,228.36	\$ 31,517.00	\$ 486,735.02	\$ 4,212,342.25	\$ 2,405,692.96	\$ 16,592,960.18
\$ 584,665.50	3271	\$ (3,120.00)	\$ 2,096,337.36	\$ 376,204.00	\$ 48,532.06	\$ 33,605.00	\$ 474,536.45	\$ 4,587,983.25	\$ 2,554,474.83	\$ 16,562,262.96
\$ 543,927.00	2510	\$ (1,982.00)	\$ 2,001,018.36	\$ 610,796.00	\$ 39,577.09	\$ 34,883.00	\$ 463,594.99	\$ 5,196,985.25	\$ 2,716,894.74	\$ 16,774,817.57
\$ 468,524.75	2150	\$ (3,491.00)	\$ 1,929,888.25	\$ 510,410.00	\$ 50,477.89	\$ 35,464.00	\$ 456,557.04	\$ 5,705,802.25	\$ 2,821,126.31	\$ 16,827,299.35
\$ 132,041.00	390	\$ (168.00)						\$ 5,789,513.25	\$ 2,821,448.66	\$ 16,911,010.35
\$ 187,301.00	270	\$ (792.00)						\$ 5,940,381.25	\$ 2,821,148.66	\$ 17,061,683.35



# Project Highlights - Daily Revenue Report in Informatics

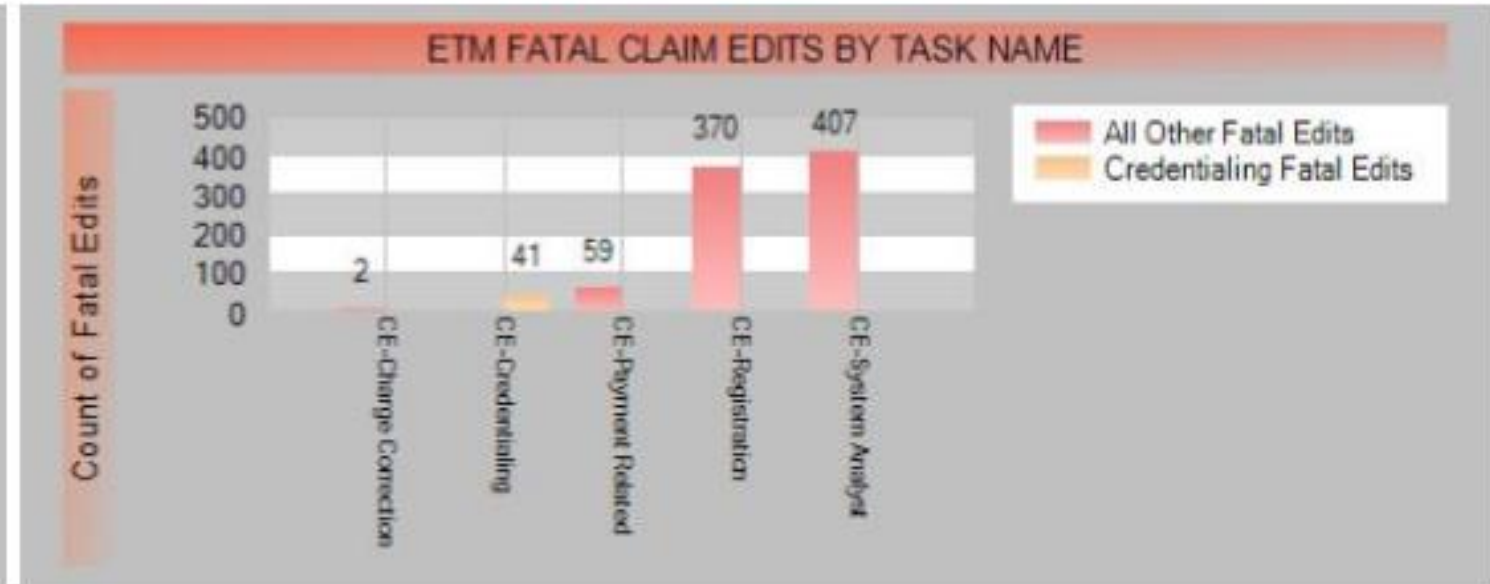
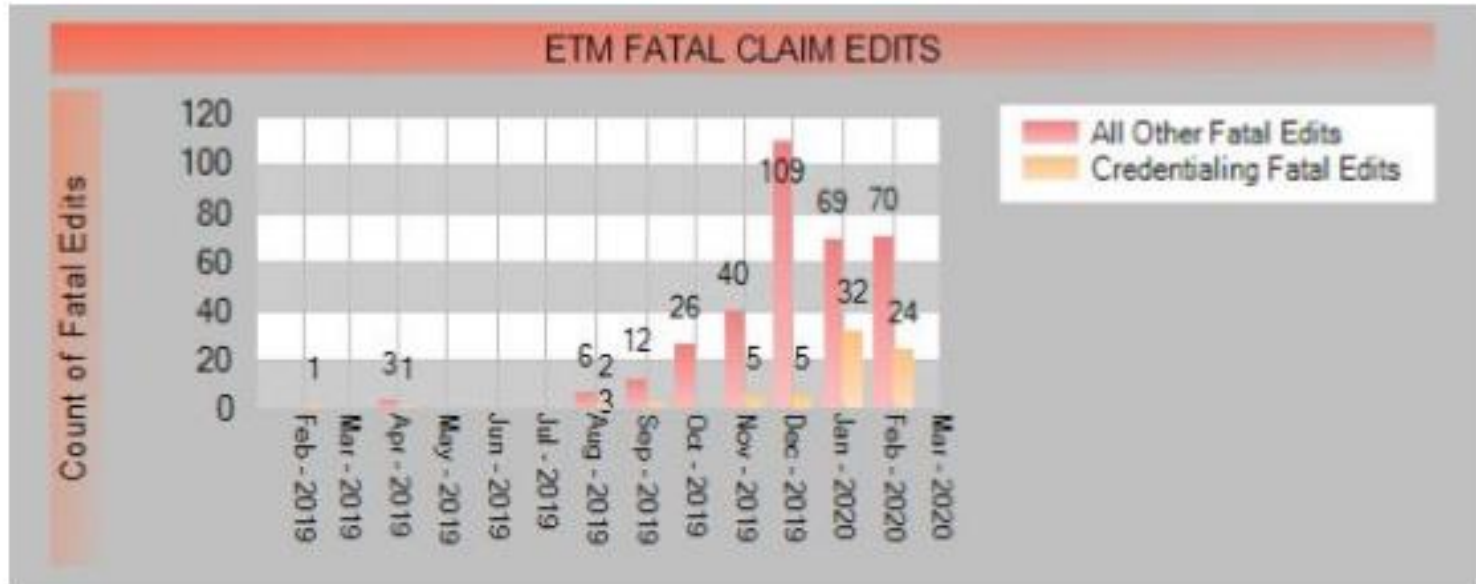


## Daily Revenue Report By Group

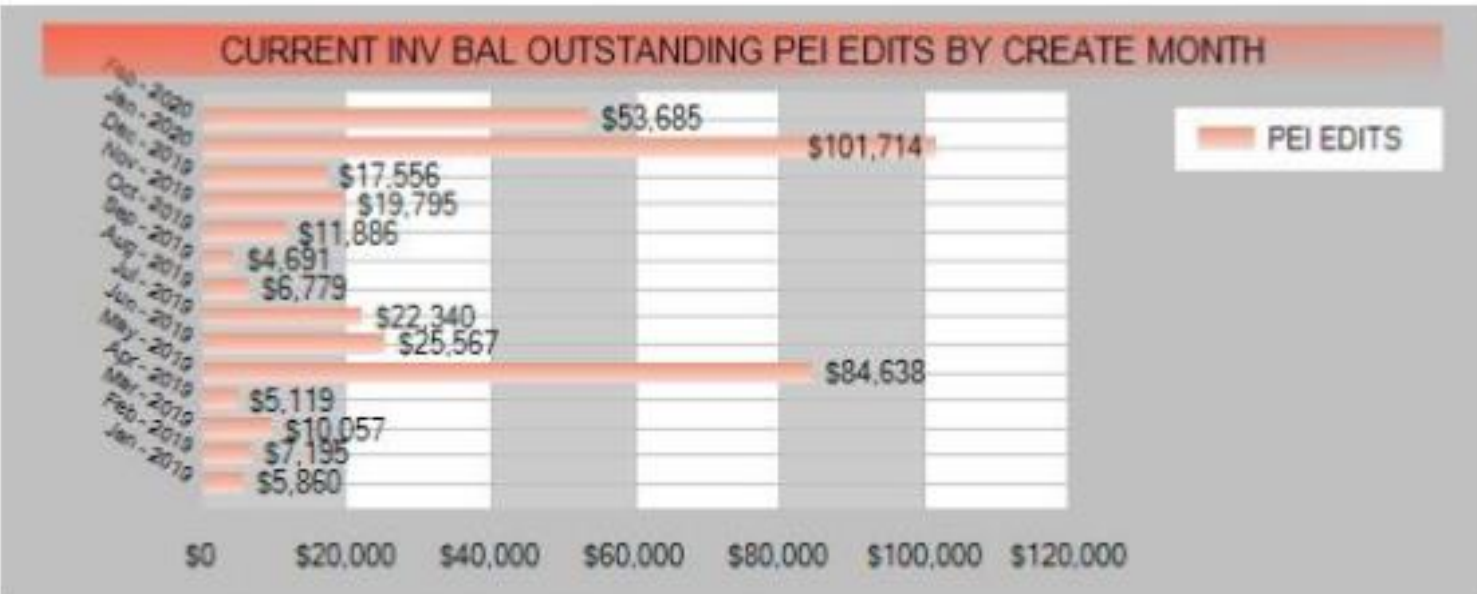
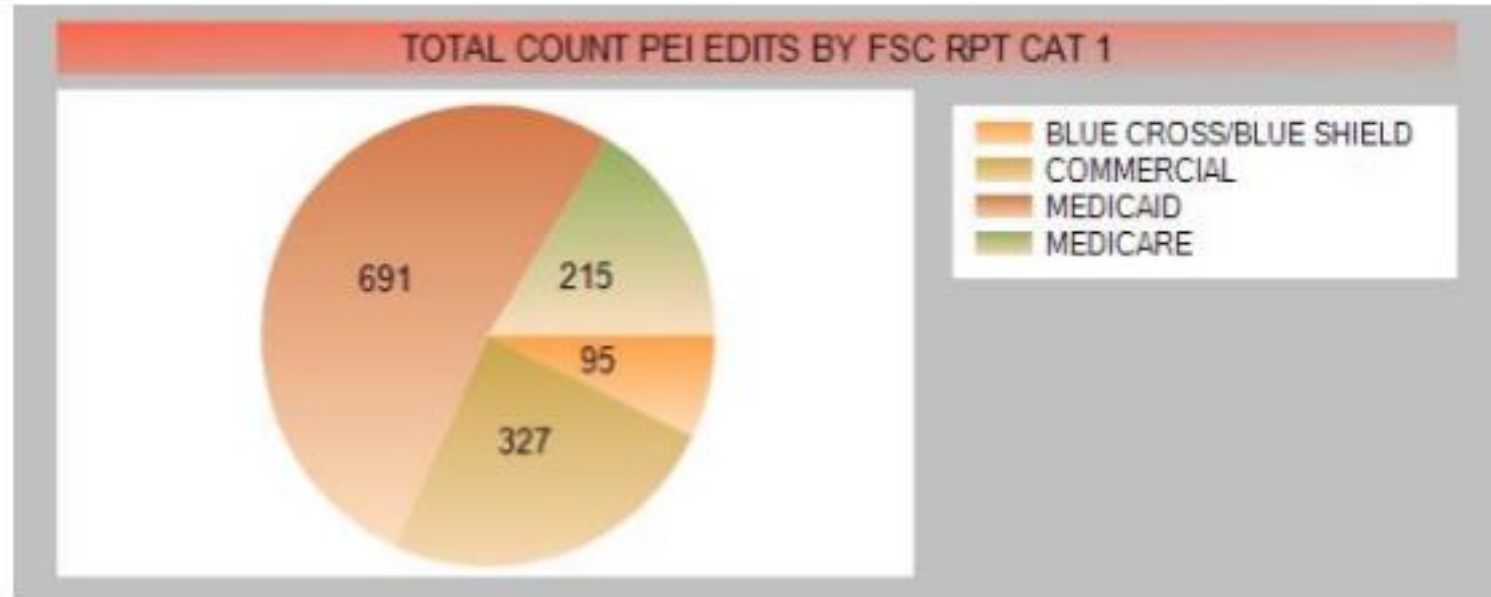
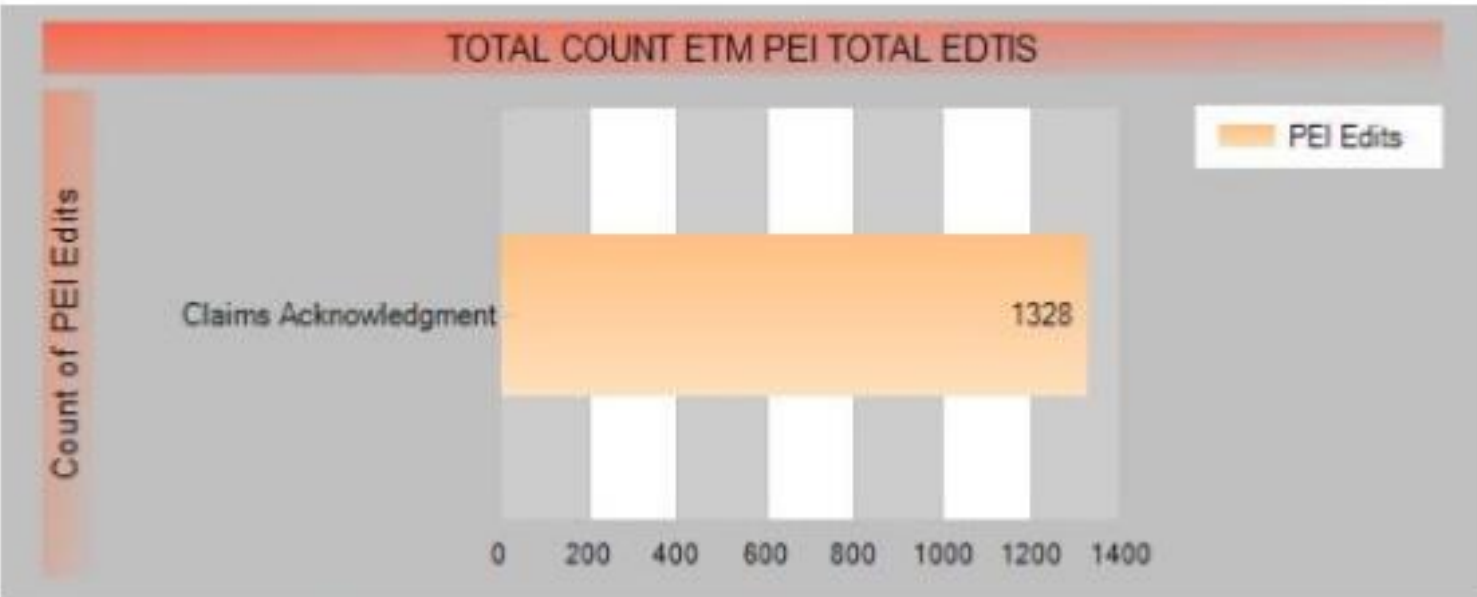
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9

		Total TES Txn #			Total TES Edits \$			Total ETM Fatal Clm Edits	Total ETM Fatal Cred Edits	Total ETM PEI Edits	Total BAR Charges	Total BAR Payments	Total AR
		8795			\$1,887,092.50			\$24,006.41	\$15,293.55	\$376,880.67	\$4,591,569.75	\$1,865,731.96	\$18,664,008.70
FYMTD	TES Chg Entered	TES Daily Txn#	TES Daily Adj	TES Daily Edits	TESExtrctBAR Daily	ETMClmEdit	ETMCredEdit	EtmPeiEdit	BAR Charges	BAR Payments	BAR Chg YR Tot		
02/13/2020	\$572,958.00	2479	\$6,221.00	\$335,038.50	\$619,986.00	\$12,118.00	\$581.00	\$2,892.35	\$619,316.00	\$334,372.67	(\$375,907.25)		
02/12/2020	\$609,725.75	2838	\$856.00	\$198,172.75	\$548,363.25	\$1,348.86	\$322.55	\$3,178.00	\$548,309.25	\$247,283.44	(\$93,535.63)		
02/11/2020	\$885,507.25	3382	\$1,501.75	\$239,505.50	\$673,791.75	\$51.70	\$445.00	\$3,367.00	\$673,784.75	\$274,134.29	(\$150,530.94)		
02/10/2020	\$535,798.75	2863	(\$167.00)	\$185,158.00	\$316,301.25	\$415.86	\$1,743.00	\$3,840.00	\$316,554.25	\$147,115.25	(\$105,251.18)		
02/09/2020	\$87,519.50	249	(\$2,017.00)	\$53,415.00	\$63,180.50	\$0.00	\$0.00	\$0.00	\$63,180.50	\$0.00	\$51,756.73		
02/08/2020	\$257,664.75	442	(\$608.00)	\$47,616.25	\$249,697.75	\$0.00	\$0.00	\$0.00	\$249,697.75	\$34,105.68	\$186,210.80		
02/07/2020	\$544,410.50	2624	\$1,225.00	\$126,941.25	\$538,289.25	\$1,063.08	\$0.00	\$4,996.00	\$541,979.25	\$113,923.89	\$204,235.17		
02/06/2020	\$508,248.00	2521	(\$11,484.00)	\$97,802.00	\$417,252.00	\$29.38	\$1,990.00	\$4,019.00	\$420,227.00	\$349,004.91	(\$447,912.60)		

# Project Highlights - Daily Revenue Report in Informatics



# Project Highlights - Daily Revenue Report in Informatics

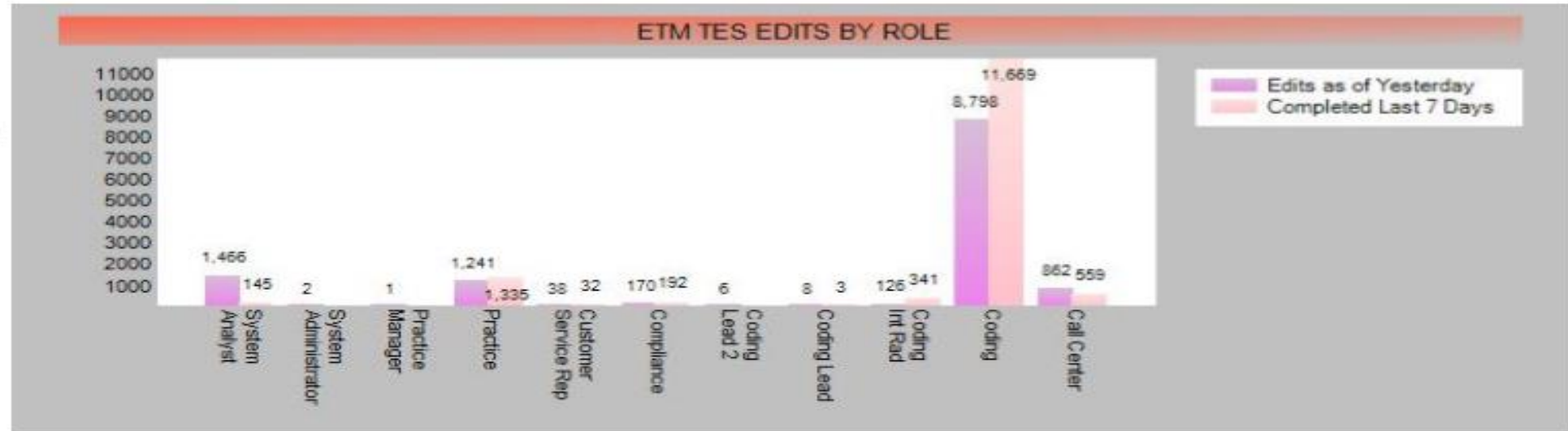


# Project Highlights - Daily Revenue Report in Informatics



All Filter Items

All Filter Items



# LIVE DEMONSTRATION

Q&A

# Analysis and 2 Searches used for ETM TES Edits Dashboard

The screenshot displays a BI tool interface with a browser window at the top showing the URL `https://gecbi-adhoc.dignityhealth.org:83/Default.aspx`. The main workspace is titled "GE Informatics" and contains a query editor with the following SQL query:

```
count(case when [dim_EtmRoles].[etmrolename] = 'call center' then [fact_etmTaskHist].[thtaskid] else null end)
```

The interface includes a "Default Metalayer Tree" on the left with sections for "Fact Tables" (Invoice, Transaction, Line Item Payment, Referral, Rejection, BAR AR Snapshot, BAR Batch, BAR Claim Edits, BAR Stmt Edits, Sched) and "Shared Dimensions" (Group, Division, Billing Area, Hospital, Patient/Registration, Place of Service, Sched Dept, Sched Provider). The "Grouping Fields" section lists: Group Num (Hidden), BA Affiliated Grp (Row), TH CompletedByUser Name (Row), and TH Role (Row). The "Summary Fields" section lists: Call Center (checked), CODING (checked), Coding Int Rad (checked), Coding Lead (checked), compliance (checked), Customer Service Rep (checked), Practice (checked), and system analyst (checked). Below the query editor is a toolbar with icons for adding, removing, and grouping fields, along with logical operators: And, Or, Not, Like, and parentheses.

Two "English Query" dialog boxes are overlaid on the right side of the interface:

**English Query 1:** (TH Final equals 'Y') and (TH Status does not equal 'Deleted' and TH Status does not equal 'New' and TH Status does not equal 'Open') and (Group Num is not in '4,6,903,904') and (TH TaskCat Name equals 'tes edits') and (TH CompletionDt Day Diff is between 1 and 7)

**English Query 2:** (TH CurrentRow equals 'Y') and (TH TaskCat Name equals 'TES Edits') and (Group Num is not in '4,6,903,904') and (TH CompletionDt Actdate is null )

# Analysis/Search used for Claim Edits PEI

The screenshot displays the GE Informatics software interface. The browser address bar shows the URL: <https://gecbi-adhoc.dignityhealth.org:83/Default.aspx>. The application title is "GE Informatics".

The interface includes a menu bar (File, Edit, View, Favorites, Tools, Help) and a toolbar with various icons for file operations and analysis. The main workspace is divided into several sections:

- Default Metalayer Tree:** A list of data sources including Fact Tables (Invoice, Transaction, Line Item Payment, Referral, Rejection, BAR AR Snapshot, BAR Batch, BAR Claim Edits, BAR Stmt Edits, Sched) and Shared Dimensions (Group, Division, Billing Area, Hospital, Patient/Registration, Place of Service, Sched Dept, Sched Provider).
- Grouping Fields:** A list of fields with their respective aggregation functions:
  - Group Num: Row
  - BA Affiliated Grp: Row
  - TH TaskCat Name: Row
  - TH InvFscRptCat1: Row
  - TH CreateDt Actdate: Row
  - TH InvNum: Row
- Summary Fields:** A list of fields with their respective aggregation functions:
  - TH Curr Inv Bal: Sum
  - TH Invoice number: Distinct Coun
  - TH TaskId: Count

An "English Query" dialog box is overlaid on the main workspace, displaying the following query text:

```
(TH Curr InvNum is not null ) and (TH Task Name equals 'claim ack rejection') and (TH Curr Inv Bal is greater than 0) and (TH CurrentRow equals 'Y') and (TH CompletionDt Month Diff is null ) and (Group Num is not in '4,6,903,904')
```

The dialog box includes an information icon and an "Ok" button.



# Analysis/Search used for Fatal Claim Edits

The screenshot shows a BI tool interface with a search query configuration and an information dialog box.

**English Query**

```
(TH ClmEditName does not match 'EV%' or
TH ClmEditName does not match 'NO%')
and ([vvClmHistEdit].
[vv_ClmHistEditFirstOccDt_month_diff] =
case when DAY(getdate())=1 then 1 else 0
end) and (TH CompletionDt Actdate is
null ) and (Group Num is not in
'4,6,903,904') and (TH Curr InvNum is not
null ) and (TH InvNum is not null ) and (TH
Task Name is in 'CE-BNA,CE-Charge
Correction,CE-Coding,CE-No Task,CE-
Payment Related,CE-Registration,CE-
System Analyst') and (TH CurrentRow
equals 'Y') and (TH Curr Inv Bal is greater
```

**Grouping Fields**

Field	Setting
TH CreateDt Actdate	Row
Group Name	Hidden
Group Num	Row
BA Affiliated Grp	Hidden
TH Task Name	Row
TH Curr InvNum	Row
TH ClmEditName	Row

**Summary Fields**

Field	Aggregation	Checked
TH Curr Inv Count	Distinct Coun	<input checked="" type="checkbox"/>
TH Curr Inv Bal	Sum	<input checked="" type="checkbox"/>
TH TaskId	Count	<input checked="" type="checkbox"/>