*e*sense BI

healthcare analytics by nse inc.

New ways to see and touch all your healthcare data...
all your key metrics, all in one place

Core eSENSE Solution Requirements

- Core business requirements defined by Providers & Practice Managers

- Designed for ACOs, Physician Groups, Specialty Practices, IPAs, Hospitals & Health Systems

- Timely data updates blending historical & current data from multiple systems/sources

- Instant insight to financial & clinical KPIs with drill-to-detail analysis and reporting

- Threshold-based KPI alerts & trend analysis by timeframe, location, specialty, provider, payer, financial class, procedure, department, patient & encounters

- Secure, role-based access – execs, operations, practice managers & doctors

- Powerful ad-hoc and interactive self service reporting capabilities for fast queries and advanced, multi-dimensional visualization of healthcare data

- Contextual single sign-on to multiple systems from within the dashboard

- Zero technology footprint – low-cost cloud solution accessible from any device

- No technical training requirements – intuitive UI/Navigation

What is eSENSE BI?

eSENSE BI allows healthcare organizations to harness data from their existing systems for instant insight into clinical and financial metrics enabling powerful analysis, streamlined reporting and informed decision-making.

- Merge Data From Multiple Systems

- Rich Data Visualization & Analysis

- Track Your Key Healthcare Metrics

- Powerful Standard & Ad-hoc Reports

- Fast Setup With Cloud Services

Challenges Facing Clinical Practices

- New and changing government regulations, compliance and quality criteria

- Fragmented data sources, inflexible legacy systems and disjointed processes

- Incomplete, inconsistent and/or inaccurate financial and clinical data

- Weak practice communication and information sharing

- Costly, time-consuming reporting mechanisms

- Fragmented document and records management

- Timely access to relevant, meaningful data and key metrics

eSENSE BI – all your key metrics, all in one place

eSENSE BI – all your key metrics, all in one place

eSENSE BI – Global to Local
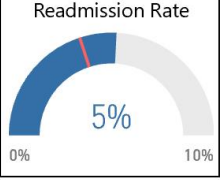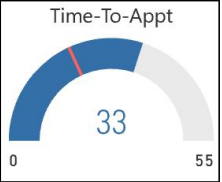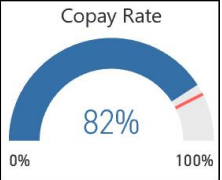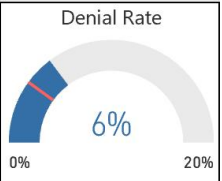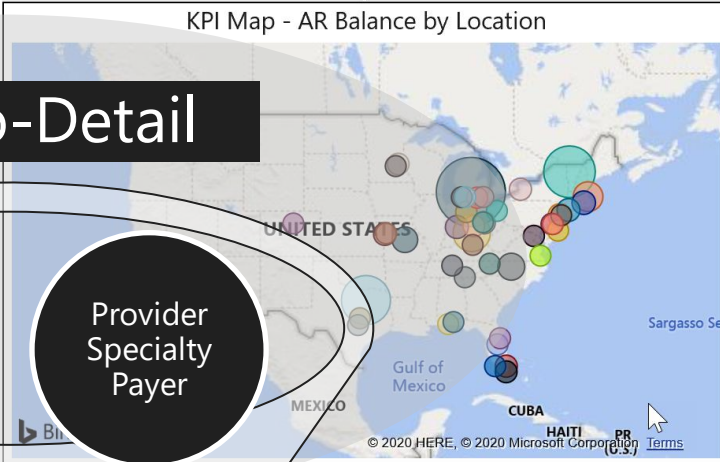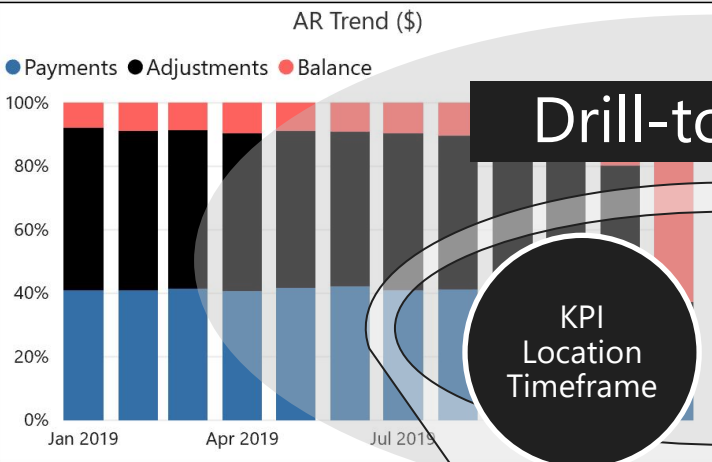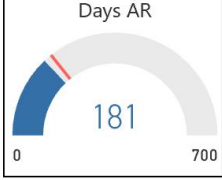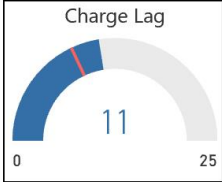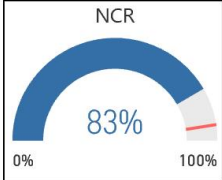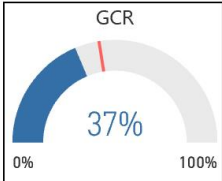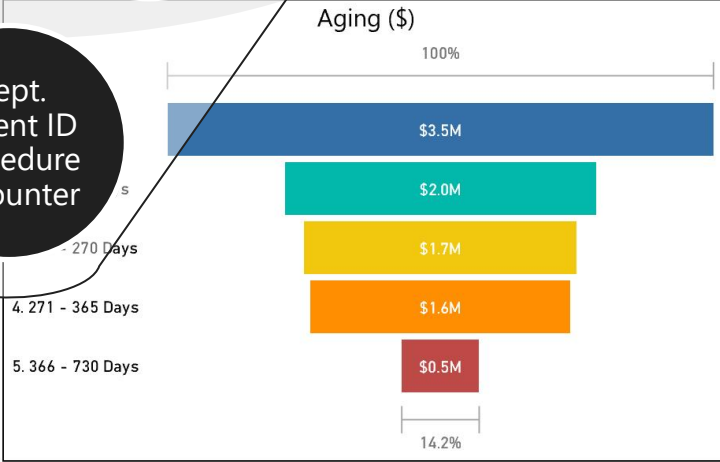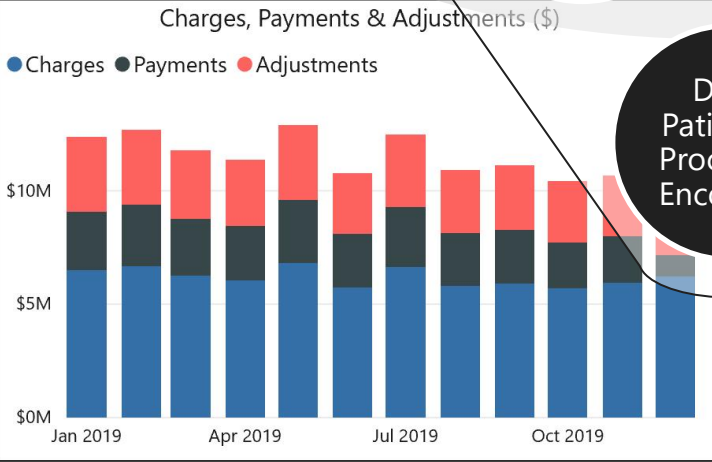
Example KPI Panel
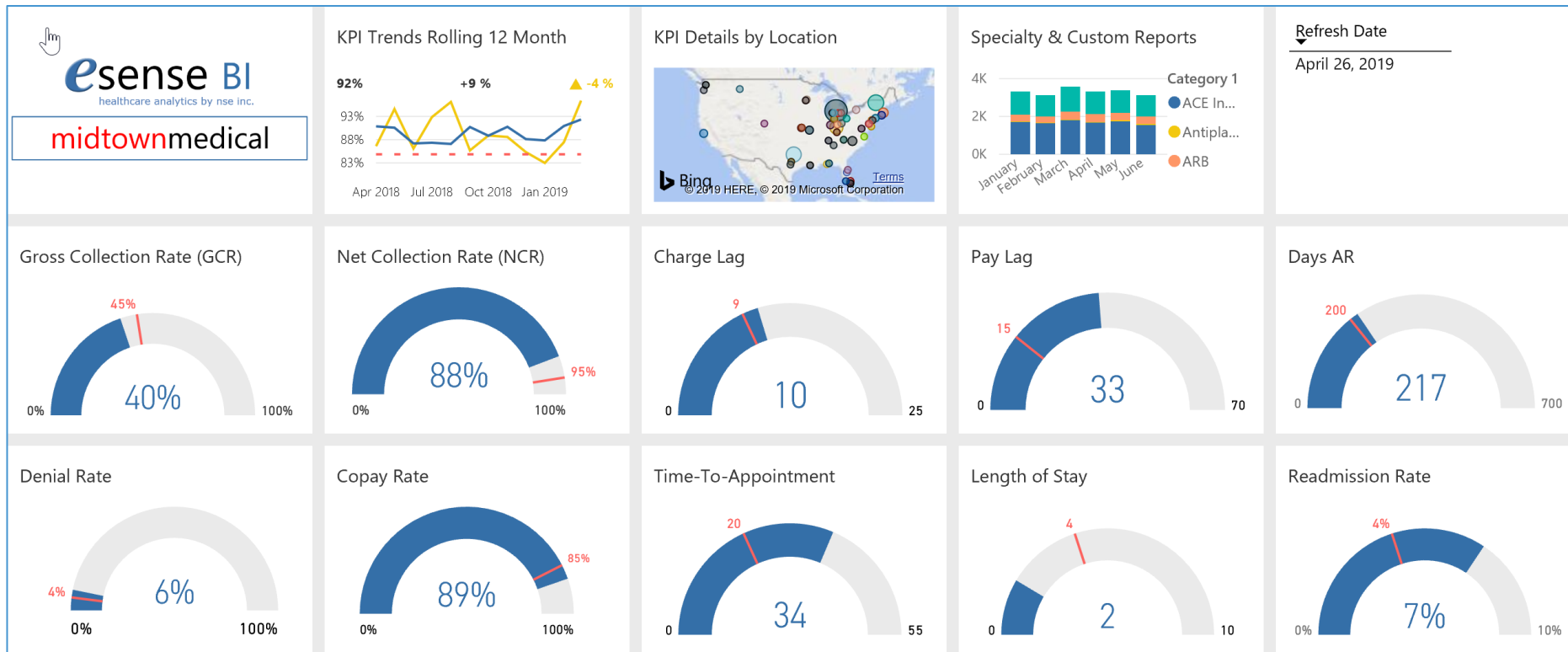
- "At a glance" clinical and financial metrics (KPIs)

- Status alerts based on user-defined and industry thresholds

- Trend signals – contextual KPI trend analyses and reports

- Time-phased comparisons and variances to prior periods

- "Drill-to-detail" analysis, contextual views and ad-hoc/custom reporting

- Multi-dimensional filtering of metrics and reports

KPI Scorecard & Trend Analysis
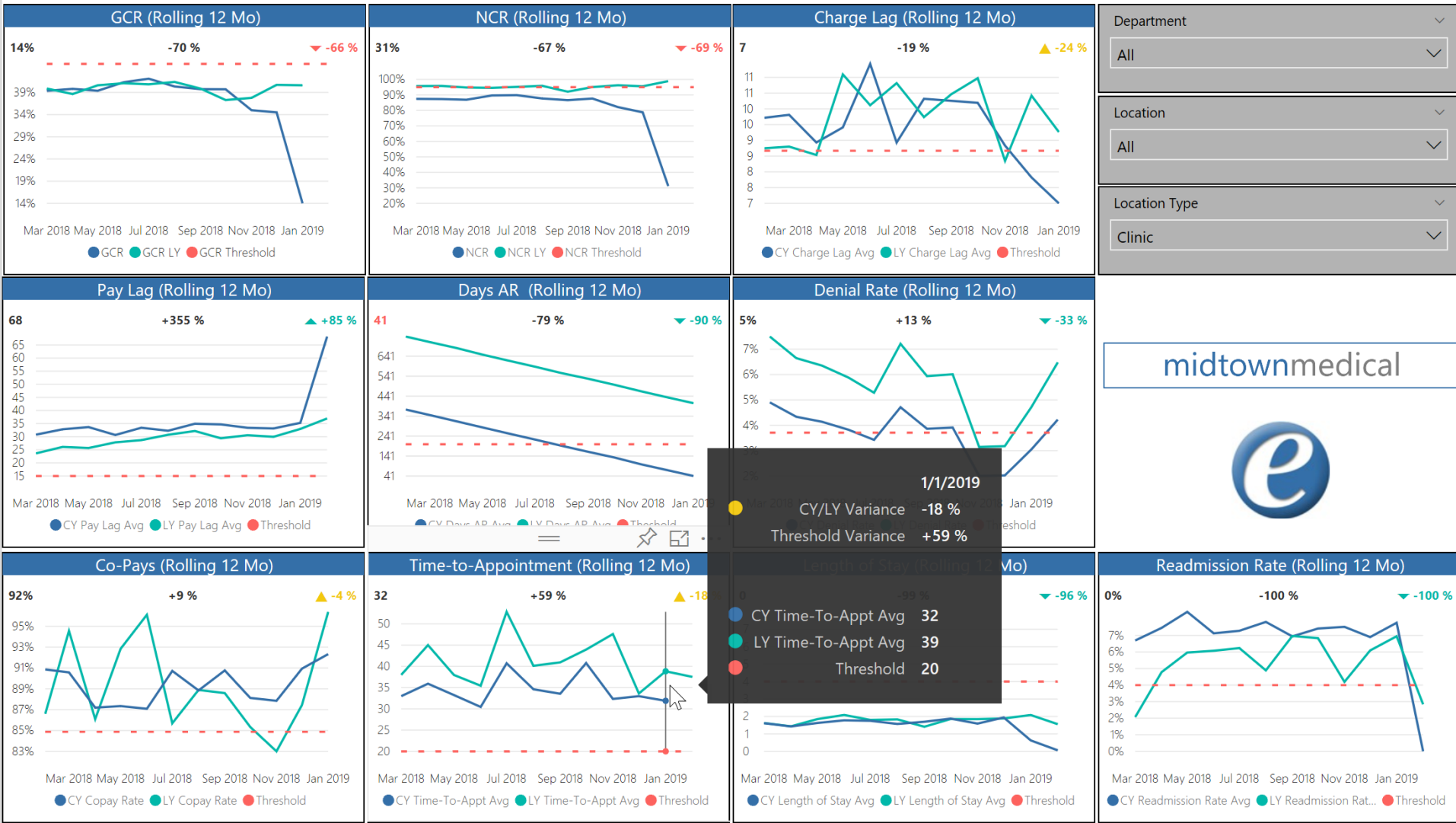
Drill to Detail Example: NCR

Drill to Detail Example: GCR Single Location

Drill to Detail Example: Denial Rate
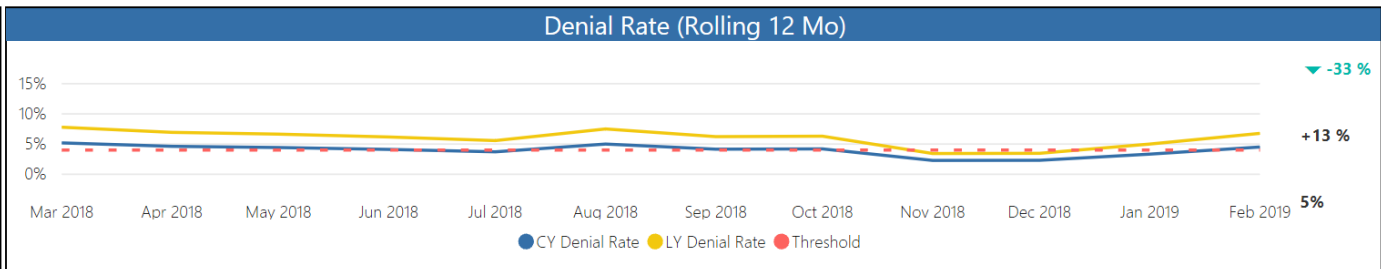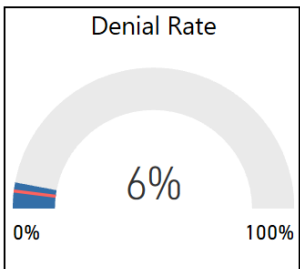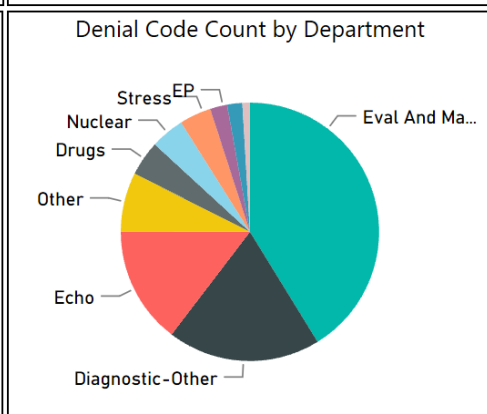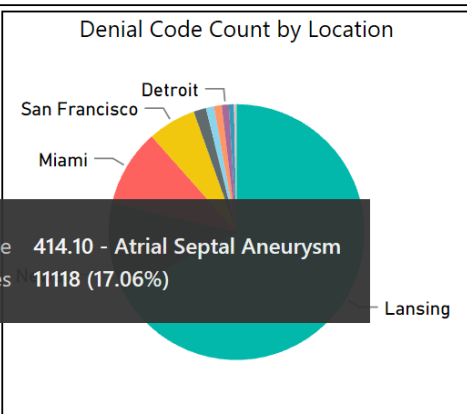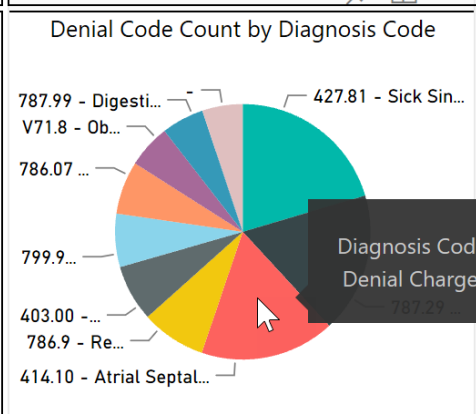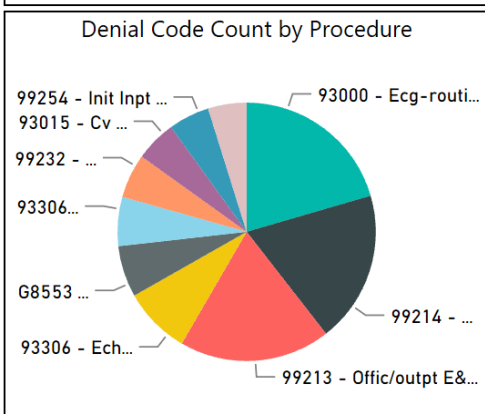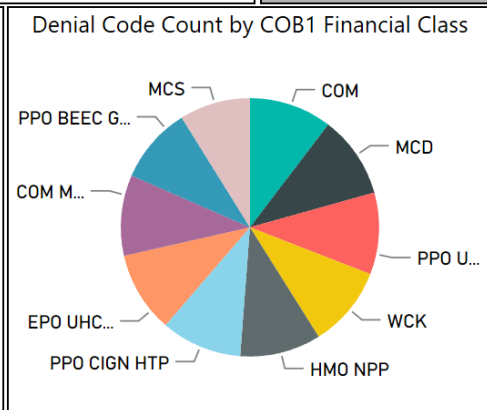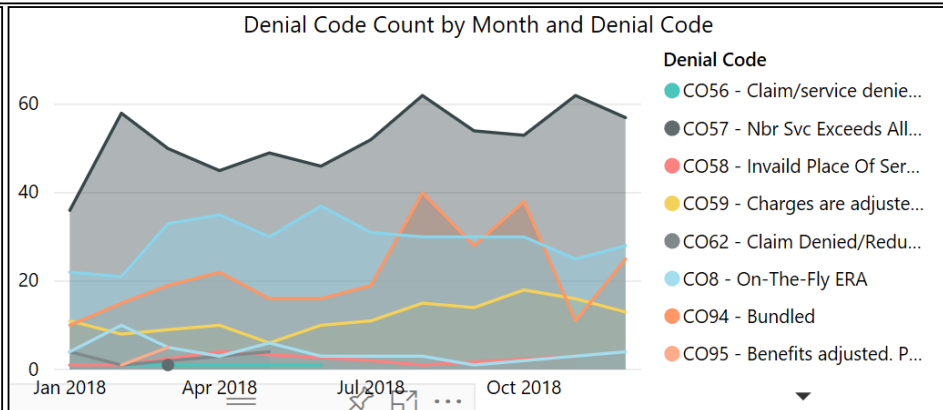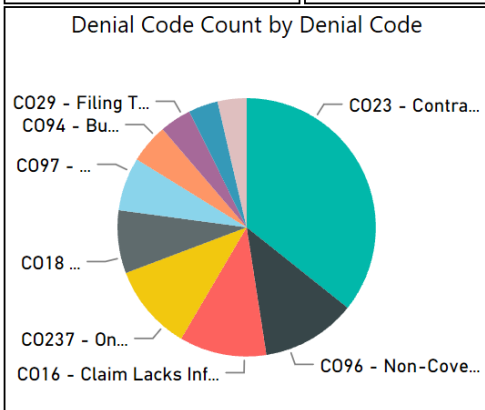
Drill to Detail Example: Denial Rate

85610 - Prothrombin Time

99254 - Init Inpt Cons New/est Mod-hi

93015 - Cv Stress Tst W/pharm; Intrpt

99232 - Subsqt Hosp-da E&m Minr Compl

9330626 - Echo, Transthoracic With Doppler & Color Flow

G8553 - Prescriptions Via E-Prescribing

93306 - Echo, Transthoracic With Doppler & Color Flow

99213 - Offic/outpt E&m Estab Low-mod

93000 - Ecg-routine 12 Lead; W/intrpt

992_4 - Offic/outpt E&m Estab Mod-hi 2

| Procedure | 93306 - Echo, Transthoracic With Doppler & Color Flow |
| Denial Charges | 5957 (8.41%) |
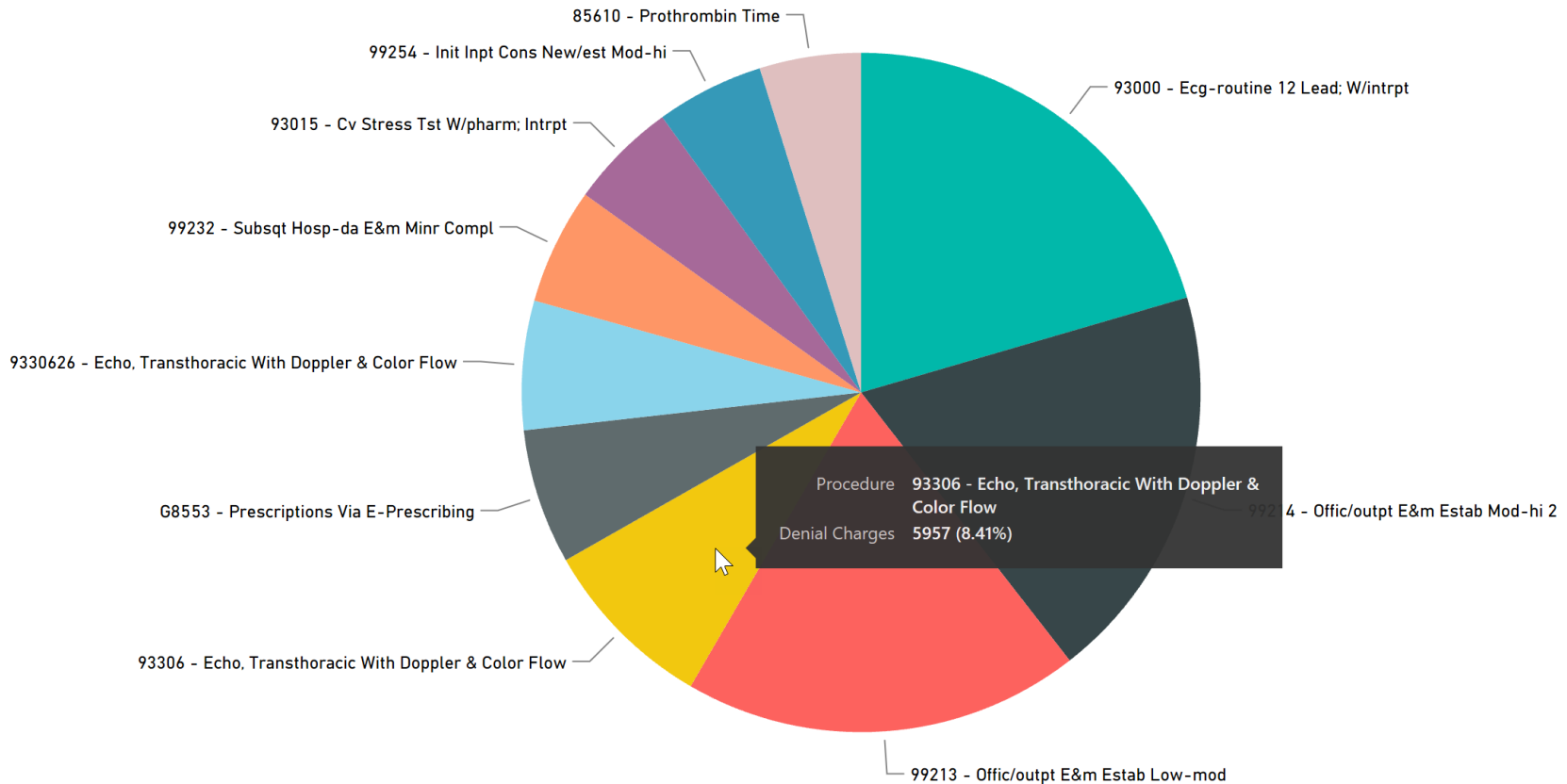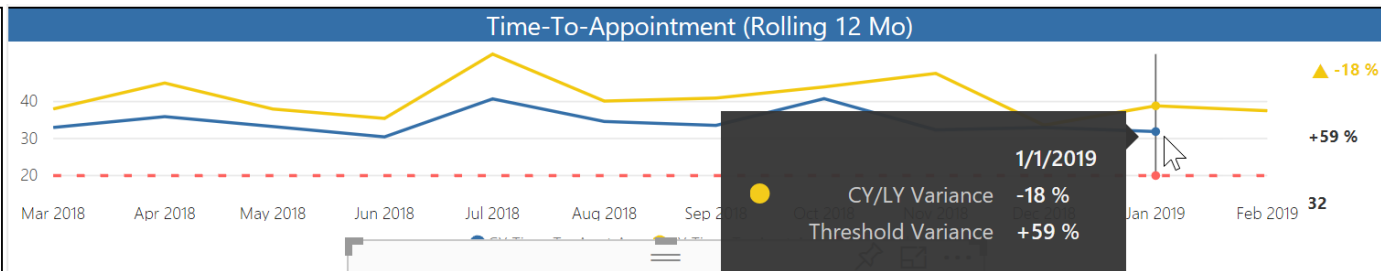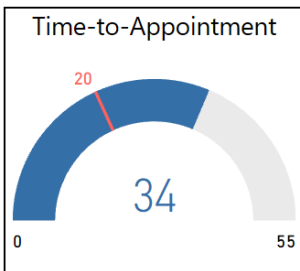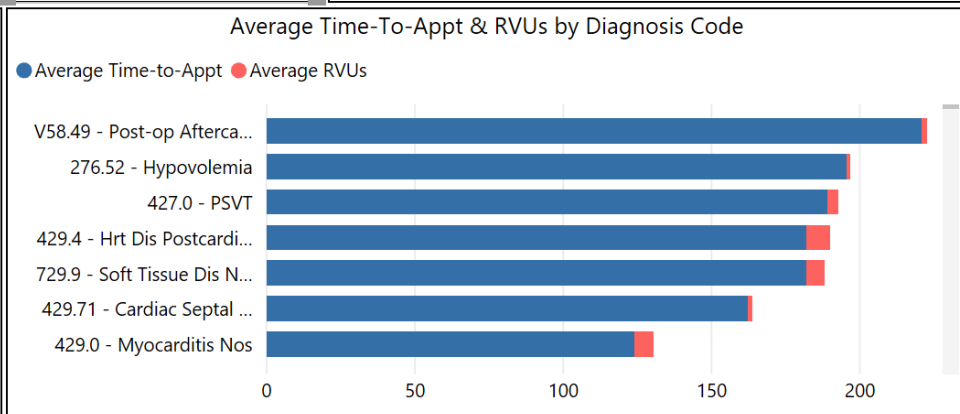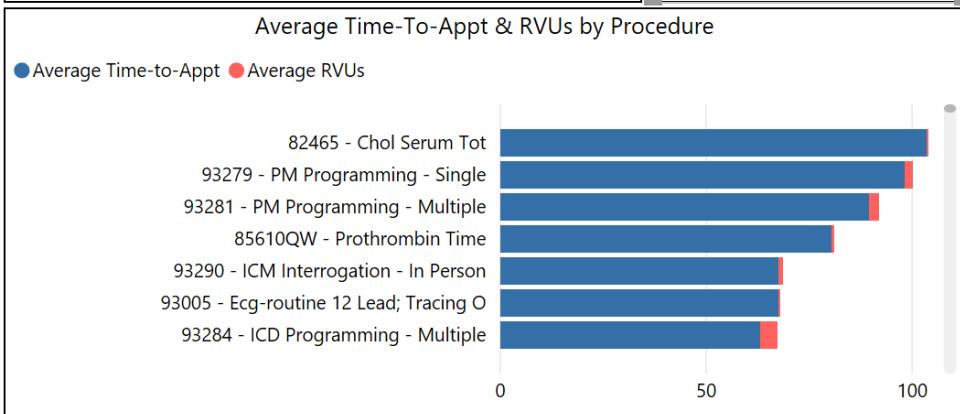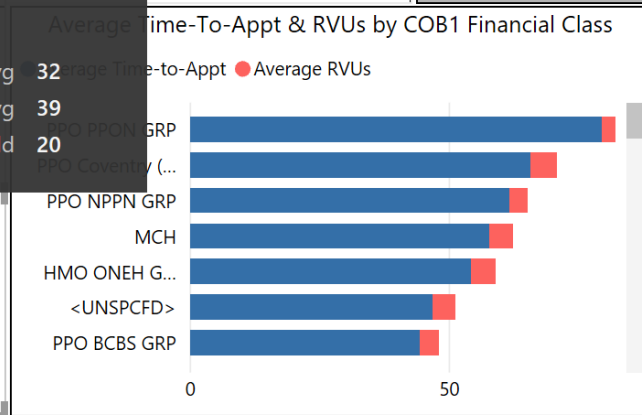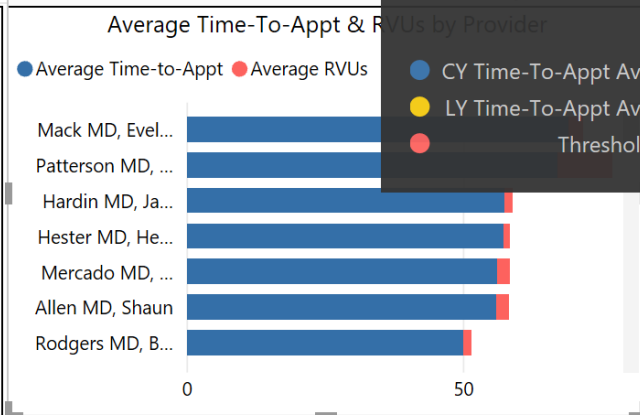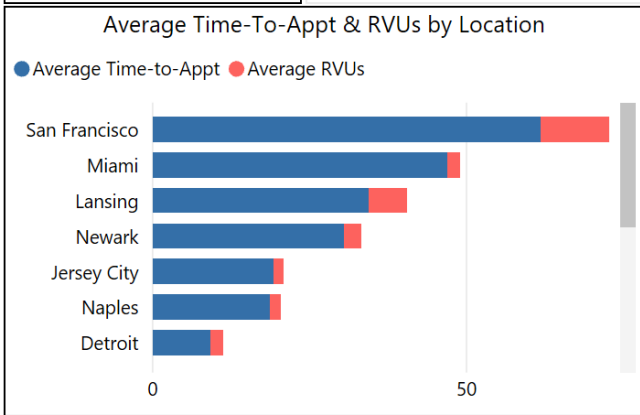
Drill to Detail Example: Time-To-Appointment

Drill to Detail Example – Time-To Appointment
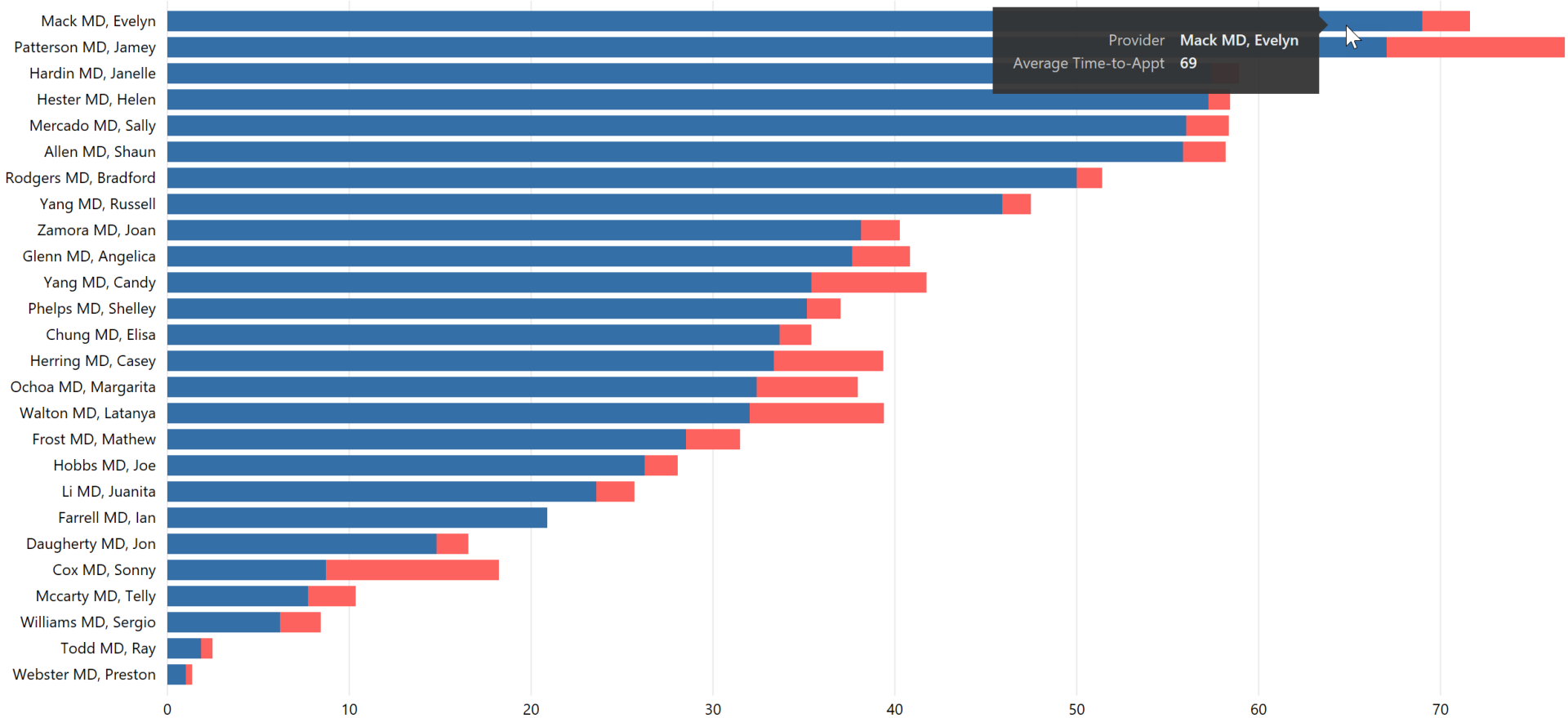
Drill to Detail Example – Select Your Dimensions

Drill-through to Encounter Details

Encounters

Encounter	Earliest ServiceDate	Earliest PostDate	Patient ID	Location	Diagnosis Code	Department	Provider	S
15321548	February 5, 2018	February 16, 2018	FFFF5A9C-3CB3-4140-A51D-0F9AD3624012	Dallas	426.0 - Atriovent Block Complete	Diagnostic-Other	Webb MD, Levi	In
15321548	February 5, 2018	February 16, 2018	FFFF5A9C-3CB3-4140-A51D-0F9AD3624012	Dallas	426.0 - Atriovent Block Complete	Eval And Management	Webb MD, Levi	In
7293814	February 5, 2018	February 6, 2018	FFFF5A9C-3CB3-4140-A51D-0F9AD3624012	Dallas	787.29 - Dysphagia, Other	Echo	Webb MD, Levi	In
7824146	June 16, 2018	June 28, 2018	FFFEE753-81A7-4E5E-9444-93A7091F7027	Dallas	799.9 - Unkn Cause Morb/mort Nec	Diagnostic-Other	Fletcher MD, Latoya	N
23472438	June 16, 2018	June 20, 2018	FFFEE753-81A7-4E5E-9444-93A7091F7027	Dallas	799.9 - Unkn Cause Morb/mort Nec	Echo	Fletcher MD, Latoya	N
7824146	June 16, 2018	June 28, 2018	FFFEE753-81A7-4E5E-9444-93A7091F7027	Dallas	799.9 - Unkn Cause Morb/mort Nec	Eval And Management	Fletcher MD, Latoya	N
7842988	June 21, 2018	June 28, 2018	FFFE3062-5AD7-4C7C-886E-2AA2E6435ED5	Burlington	403.00 - Mal Renal Hyper-no Failr	Diagnostic-Other	Contreras MD, Stacey	In
7842988	June 21, 2018	June 28, 2018	FFFE3062-5AD7-4C7C-886E-2AA2E6435ED5	Burlington	403.00 - Mal Renal Hyper-no Failr	Eval And Management	Contreras MD, Stacey	In
7842988	June 21, 2018	June 22, 2018	FFFE3062-5AD7-4C7C-886E-2AA2E6435ED5	Burlington	424.2 - Nonrheum Tricusp Val Dis	Echo	Contreras MD, Stacey	In
24722022	September 26, 2018	September 28, 2018	FFFE3062-5AD7-4C7C-886E-2AA2E6435ED5	Burlington	427.81 - Sick Sinus Syndrome	Catheterization	Mckay MD, Ebony	E
23314006	March 10, 2018	March 21, 2018	FFFE3062-5AD7-4C7C-886E-2AA2E6435ED5	Burlington	427.81 - Sick Sinus Syndrome	Diagnostic-Other	Daniel MD, Lawanda	N
49444044	September 26, 2018	September 28, 2018	FFFE3062-5AD7-4C7C-886E-2AA2E6435ED5	Burlington	427.81 - Sick Sinus Syndrome	EP	Mckay MD, Ebony	E
41030546	March 23, 2018	April 1, 2018	FFFE3062-5AD7-4C7C-886E-2AA2E6435ED5	Burlington	427.81 - Sick Sinus Syndrome	Eval And Management	Daniel MD, Lawanda	N

Encounter Details

Encounter	ServiceDate	Patient ID	Charge ID	Location	Diagnosis Code	Departm
8396236	October 22, 2018	13E7E01D-EE7B-41BC-BAAC-B0AB147BD438	00008912-E497-4C9B-BBD4-6B3504127E7B	Indianapolis	402.91 - Unsp Hypertensive Hrt Disease With CHF	Diagnost
7574414	April 13, 2018	BEDBFA9D-9327-4574-8BB5-4DA6CB90FB3A	0000C4D7-B6BB-4647-9C57-3CBB9FC1E417	Burlington	403.00 - Mal Renal Hyper-no Failr	Diagnost
7835940	June 20, 2018	FB3BA24D-BBC6-4130-92E0-4D04DFA905FF	000113AE-2EF0-4C5A-BE44-808AC9A98EE0	Dallas	786.9 - Resp Sys/chest Symp Nec	Eval And
8147132	September 5, 2018	69B85549-6A5E-48B6-A9B3-99340D5C0ED9	00018AC4-6E45-4827-AFC2-9F60D7C0E926	Newark	786.07 - Wheezing	Echo
7489510	March 3, 2018	D86457FC-4810-4F9C-AB46-6523C655A3E6	0001A6B9-4F5E-42AD-97B5-50D9734131EE	Burlington	427.81 - Sick Sinus Syndrome	Eval And
7364610	February 23, 2018	40FFBBB7-1F5A-4E9D-9365-115EB8BC6DAC	0001D05C-FDEA-4678-B62C-82844CC60155	Jefferson City	428.30 - Unsp Diastolic Heart Failure	Eval And
8370724	November 4, 2018	A2AA9683-EF55-40F4-8A78-FFF4FBF181F2	0001DB6A-3960-4EF9-8AE8-A9ECDDA19BF5	Detroit	V59.8 - Org Or Tissue Donor Nec	Diagnost
7322458	February 12, 2018	2541DDEB-71C5-47F7-837C-3B698AFBF4D2	0001EC5A-265B-4036-B272-B84E2AD9B51C	Burlington	425.11 - Hypertrophic Obstructive Cardiomyopathy	Echo
14952568	March 18, 2018	F6F71F43-59CA-4527-AAC3-D9BAFA7EB47A	00021942-58D4-42F4-8422-3C59B200FA83	Jefferson City	428.30 - Unsp Diastolic Heart Failure	Eval And
15981816	July 26, 2018	67E6C400-34F5-4E89-BC0B-6209183A9797	00027C2E-7551-480E-9F84-D634C0EC49CD	Lansing	787.29 - Dysphagia, Other	Stress
8539968	December 15, 2018	9E56A587-1A11-4D1F-A53B-B016FF59F63D	000284EC-05B4-454D-9351-8106AD01171E	Burlington	456.0 - Esophag Varices W Bleed	Eval And

Location Type: Facility

Year: 2018

Location: All

Provider: All

Department: All

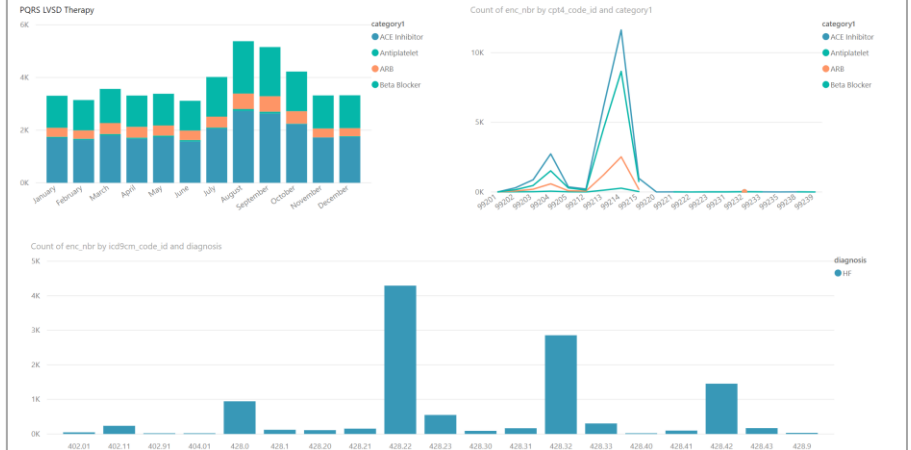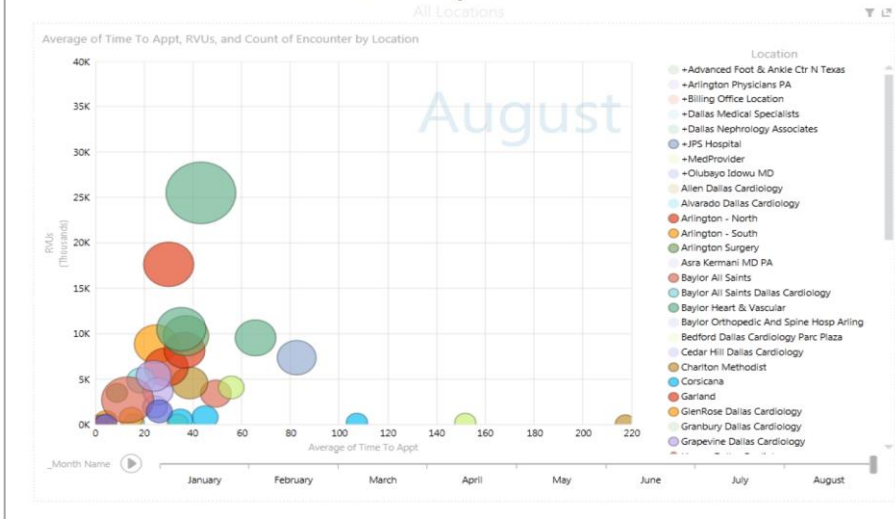**Financial Class:** All

Payer: All
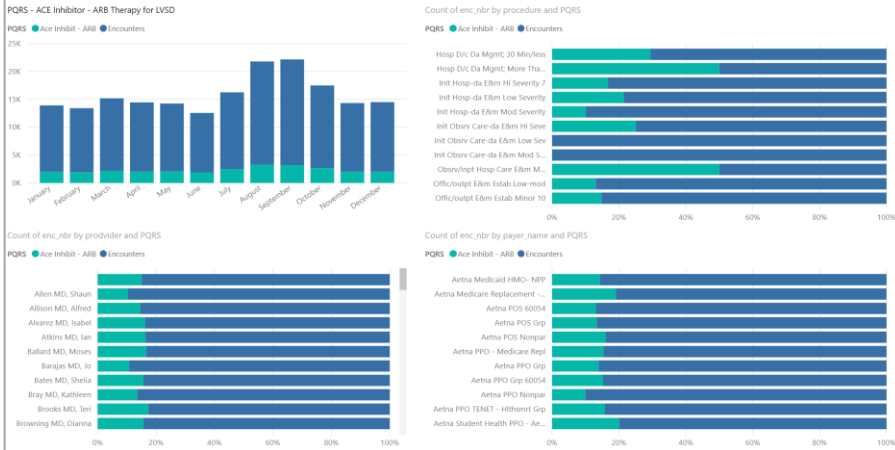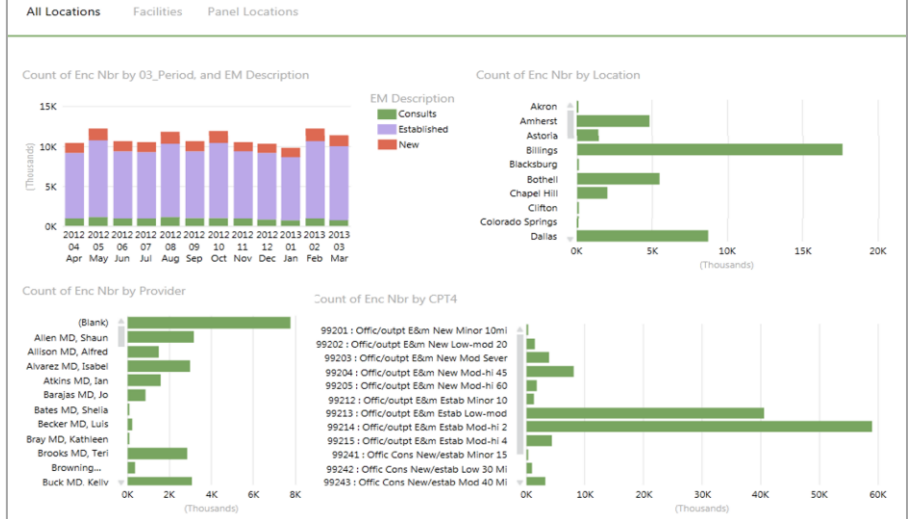
Example Custom Reports

Example Custom Reports
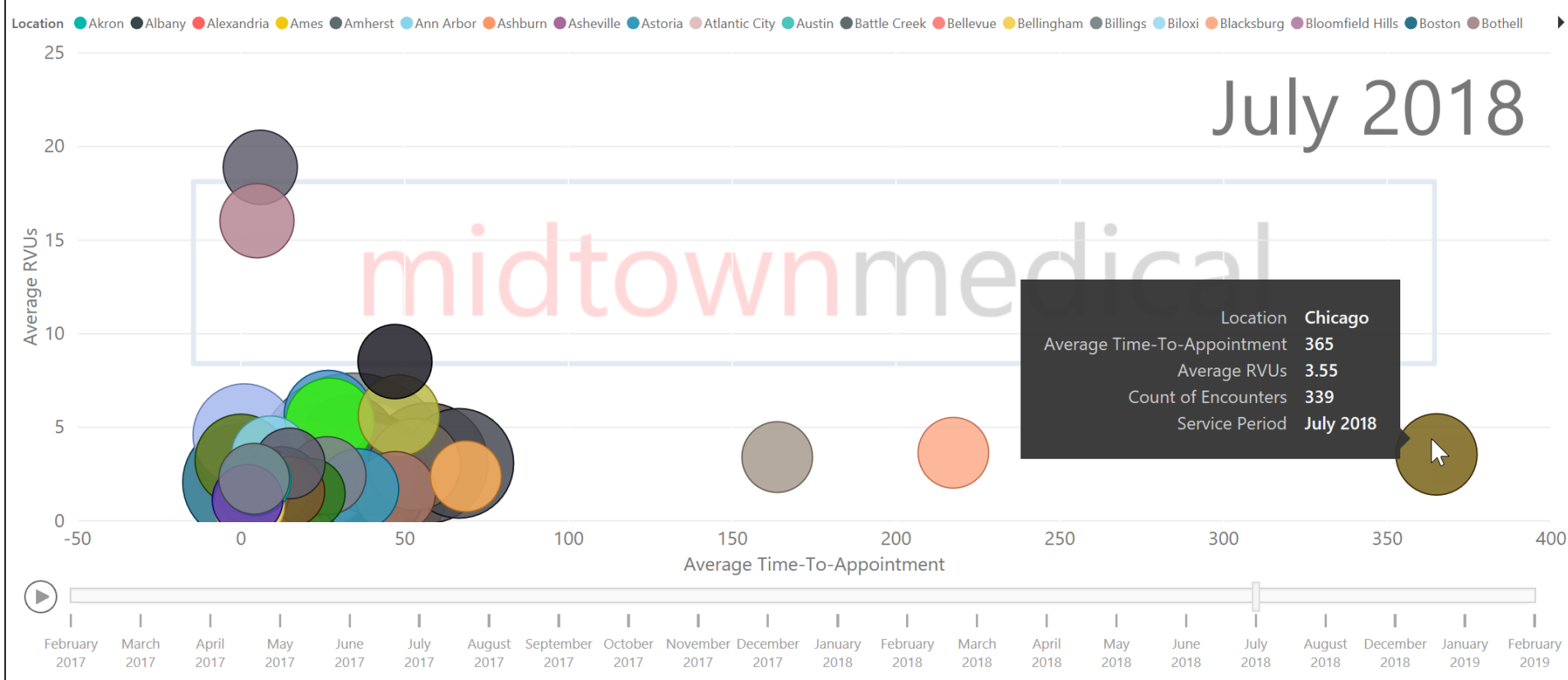
Example Custom Reports
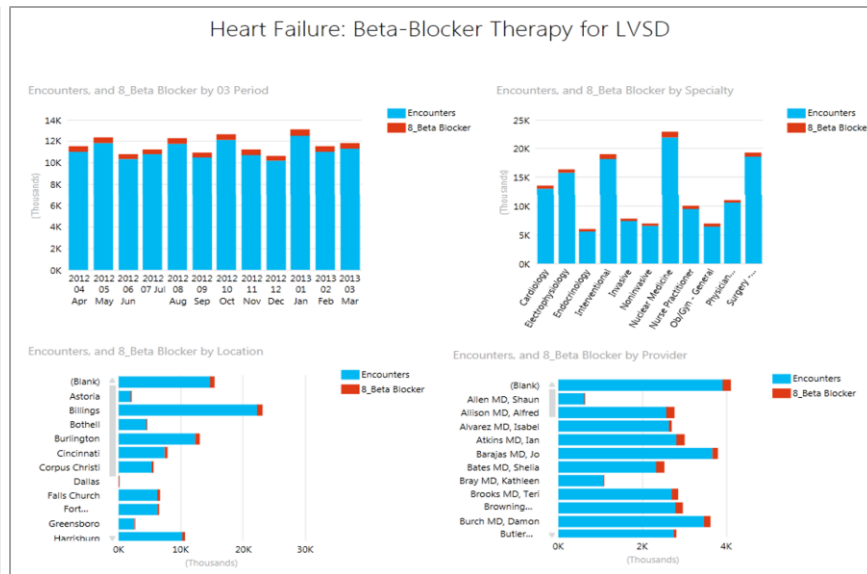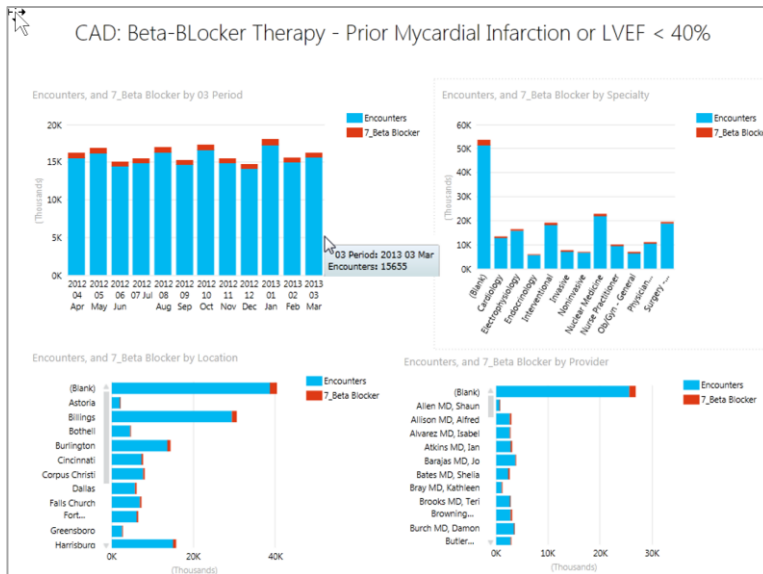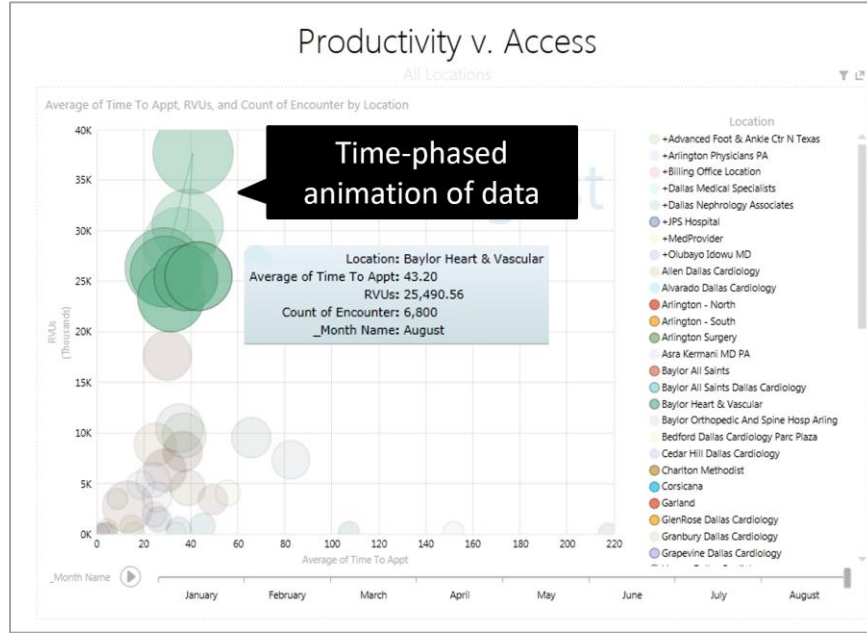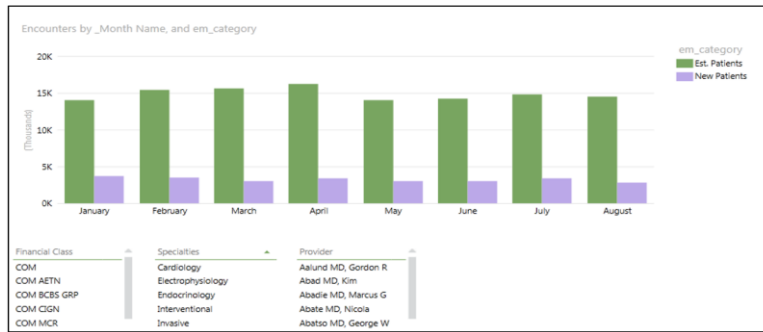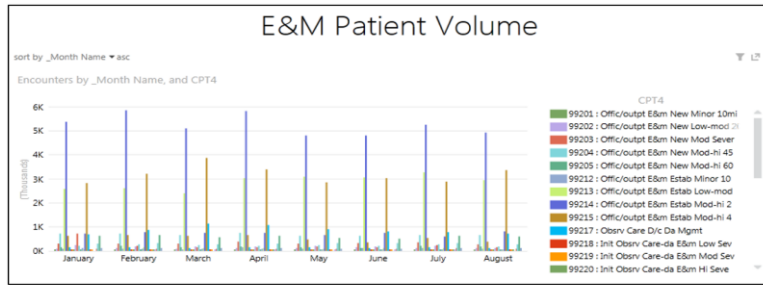
Drill Through Mobile Views
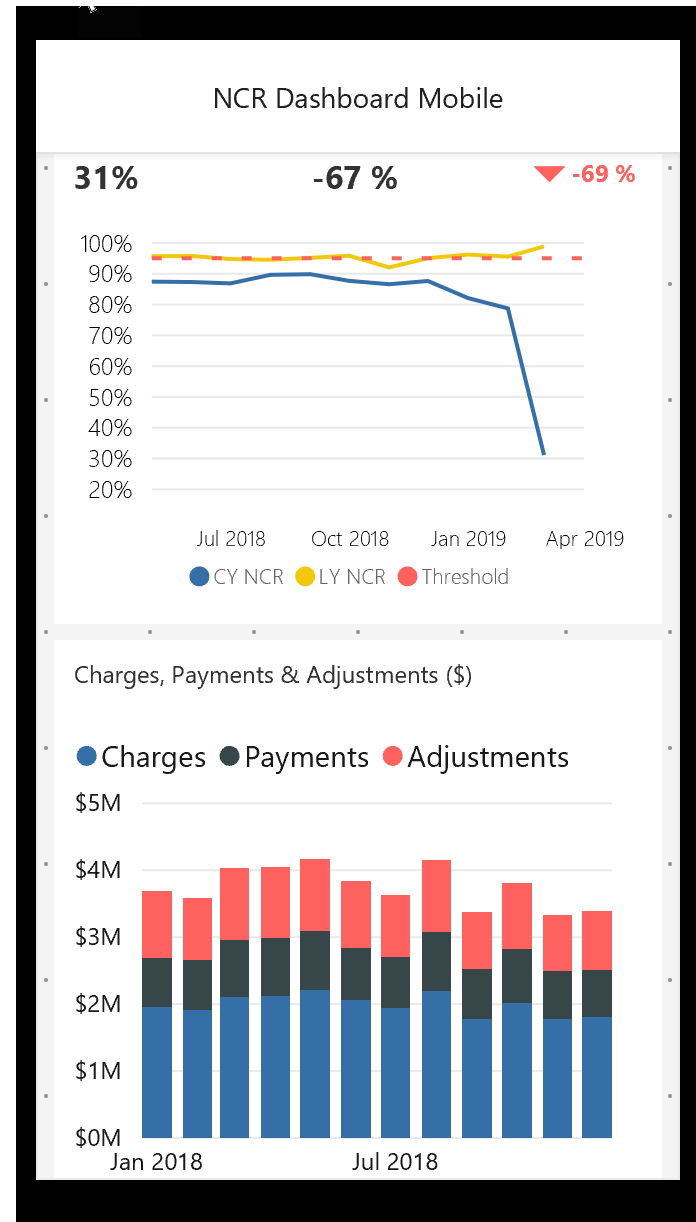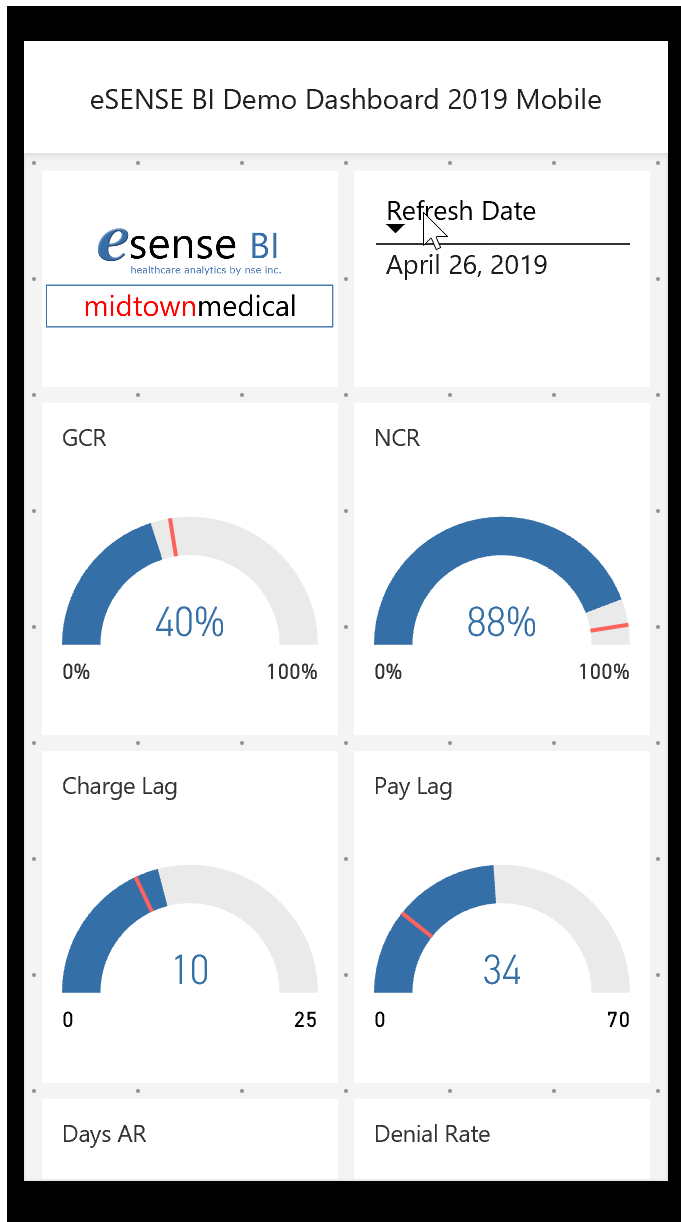
Deployment

- Fast, standard process for data take-on & site setup

- No software to install or manage – MS Azure cloud services

- Scale on demand as your operations grow or change

- Minimal learning curve with ongoing support

DEPLOY

Fast Setup   **No IT Install**   **Scale on Demand**   **Support**

Onboarding

- Collect & load historical data, setup update process

- Setup metrics & reports, customize & brand dashboards

- Assign security rights, setup user/team roles & permissions

- Ongoing testing, training & support

ONBOARD   **Data Loads**   **Dashboards**   **Security**   **Test & Support**
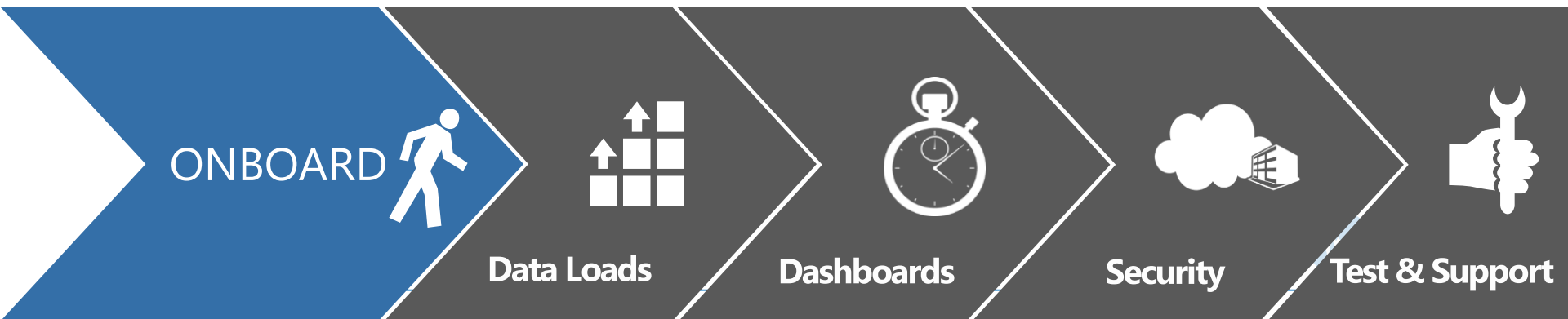
Subscription

- Easy "Try and Buy" approach, low up-front cost

- One-time setup fee then monthly subscription

- No long-term contractual commitments

- Scale on demand as operations grow or change

SUBSCRIBE | Evaluate | Agreement | Setup | Monthly Fee

Technology Framework

Client/User Experience

Power BI — esense BI
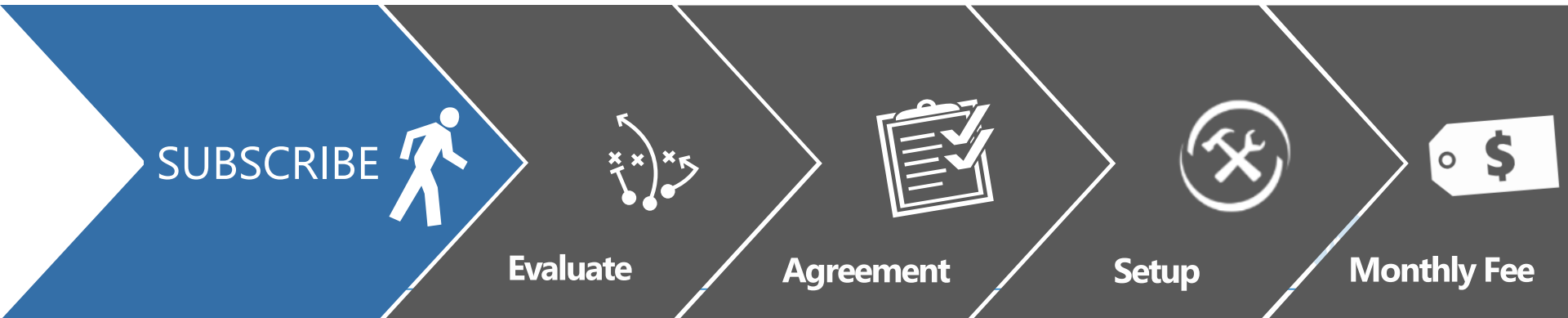
Data Extraction & Modelling
Visualizations & Workflow
Reporting & Data Analytics
UI, Publishing & Sharing

App Service
Cloud Services
Backup
Power BI
SQL Database
Storage
Azure Active Directory
SQL
Server and storage
Security
Data Center
Dev
OS

Azure

Configuration & Data On-Boarding Services

Managed Application Support Services
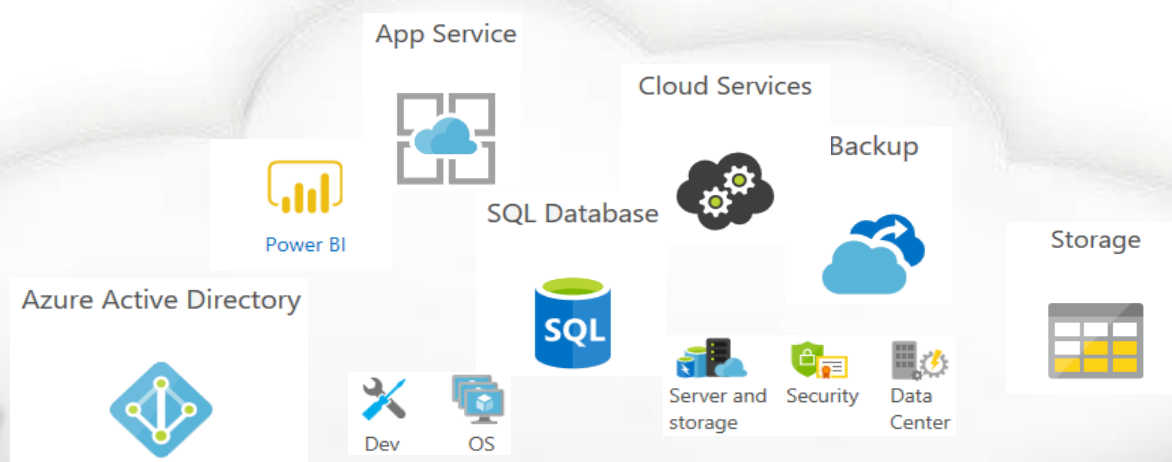
Make your data work for you

- Track your key healthcare metrics – get instant insight

- Merge data from multiple systems – in one dashboard

- View rich data visualizations & analysis – bring details to life

- Generate standard & custom reports – templates on demand

- Get fast, intuitive drill-through analysis – make smarter decisions

- Provide secure, role-based access – focus on what's relevant

- No IT installation or technical training – rapid deployment

Make your data work for you

- Reduce and recoup denied insurance claims

- Reduce re-admission rates

- Monitor physician performance

- Track quality of each division and department

- Optimize staff/doctor to patient ratios

- Improve practice communication

- Enable fast dissemination of information

- Streamline regulatory & operational reporting

- Benchmark clinical & financial operations

- Improve interoperability between systems

- Anticipate and respond to healthcare trends

- Clean and shape fragmented data sources

*e*sense BI
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Take a test drive today... all your key metrics, all in one place
www.esenseBI.com