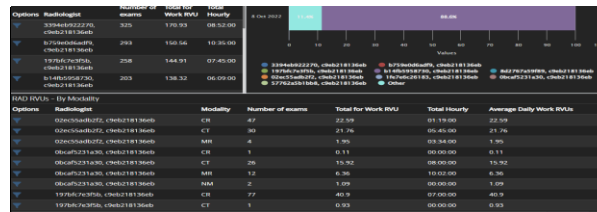# bialogics
Business Intelligence Analytics

DImax KPI Variables and Integrations

Image Management	Stakeholder

Number of Exams per Modality
Number of Patients per modality
Number of Exams by Department
Number of exams by Hospital
Number of Exams by Priority Code
Number of Exams by AE Title
Number of FEM exams Imported
Number of Exams by Clinical Service
Exams ordered by location / speciality
Number of In Patients Exams
Number of Out Patient Exams
Number of ED Patient Exams
Number of Exams per business day
Number of exams per weekend
Number of exams in off-hours

Monitor the patient journey from registration to reporting, against benchmark standards of practice and SLA requirements including wait times turn around times and referral patterns

Practice Management

Number of Procedures by Modality
Number by Procedure Description
Number by Procedure Code
Number of Exams by Imaging Protocol
Number of Exams by Diagnosis
Number of Exams Performed by Technologist
Average Throughput by hour / day
Average Number Exams Completed
Average Number of Exams per Patient
Highest Number of Exams by Patient
Number of Exams orders by Referring Physician
Number of Exams read by Radiologist
Description of Exams read by Radiologist

Easily track the end to end patient imaging process to resolve inefficiencies to build an optimized procedural framework for Modality utilization

Procedure Management

Number of Procedures completed
Number of Exams marked "Finalized"
Number of Exams not Signed-Off
Average Procedure Time
Average Prep Time by Procedure
Average Scan time by Procedure
Average QA / Commit Time by Procedure
Average Modality Idle Time
Average Procedure Times by Technologist
Utilization Assessment by Procedure
Utilization Assessment by Modality
Utilization Assessment by Technologist
Utilization Assessment by AE Title

Gain deeper insight into your referral patterns to better manage image appropriateness and resource planning

Workflow Management

Exam Duration by Modality
Average Step Time by Procedure
Average Procedure Time by Modality
TaT by Procedure
TaT by Modality
TaT by Radiologist
TaT by Patient
Wait Time by MR/CT priority (WTIS)
Time from Image to PACS to Marked Read
TaT assessment against Benchmarks
Analysis by Radiology Step Procedure(Step 1 - 8)
Configurable alerting by text, email

Evaluate your understanding of current and future imaging demands to improve day to day operations

ED Image Management

Number of exams by Modality
Peak Utilization Periods
Refferals by Emergency Physician
TAT by Exam
Wait time to Exam
TAT by Priority
Study Completion to CTAS benchmarking
Configurable alerting by Text, Email
Number of patients by Visit Status

Workflow management allows users to understand both their wait times and turn around times by modality in the ED department. Benchmarks can be set in order to allow automated alerts when studies exceeds the preconfigured benchmark of the system.

RVU Analysis

RVU by Modality
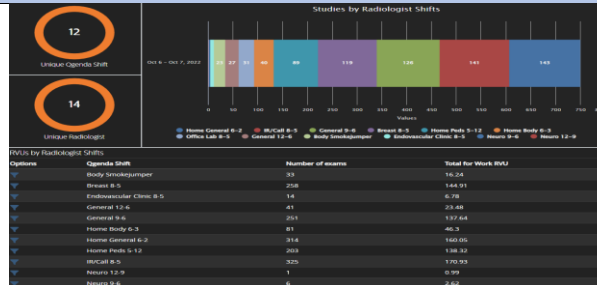RVU by Technologist
RVU by Radiologist

RVU by Day of Week
RVU by Time Slot
Target RVUs

RVU integrations enables a more in-depth insight into the productivity of technologists and radiologists. This allows for greater and more accurate performance metrics.
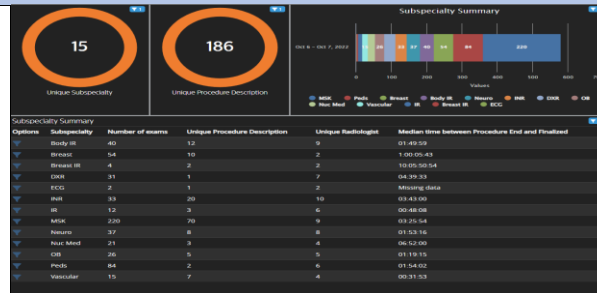
Physician Scheduling

Qgenda Shift Reports
Number of Exams by Shift
RVU Production by Shift
TATs by Shift
Wait Times by Shift

Physician scheduling integration enables a greater analysis of radiologist efficiency and workflow, by comparing performance to target KPIs.
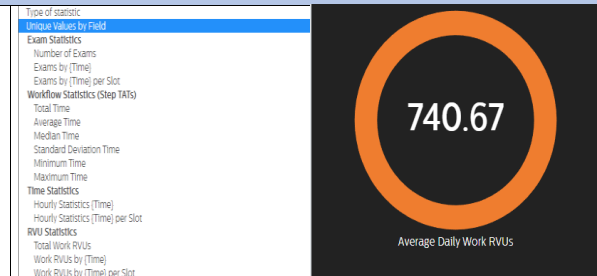
Sub-Specialty Analysis

Overall Subspecialty Performance Summary
Subspeciality TATs
Subspeciality Wait Times
Exams by Subspecialty

Subspeciality integration creates the opportunity to analyze imaging demand and workload reporting by each subspeciality. This allows for a drill down into the operational metrics of each subspeciality.
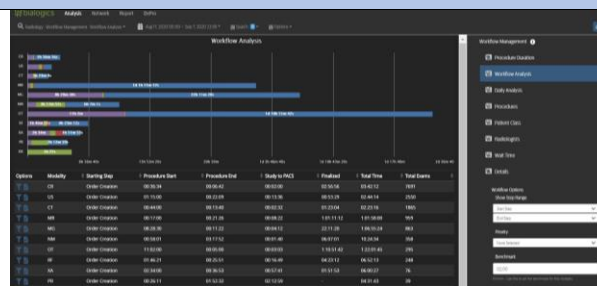
Statistical Analysis

Number of Exams
Exams by Time
Exams by Slot
Workflow Statistics
Time Statistics
RVU Statistics

The statistical analysis that is offered within the platform enables organizations to further analyze their data. This creates opportunities to explore data by time, workflow steps, exams and RVU production.
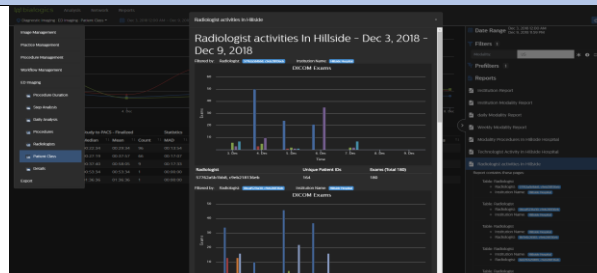
Disease Specific Analysis

Patient Exam Study Summary
Patient Exam Workflow Summary
Disease specific Filtering
Procedure Details
Protocal Details
Patient Diagnosis
Studies with Contrast agent
Studies with Anaesthesia Delivery
CPT Code analysis
Radiology Report Analysis

Deeper clnical analysis of operational and performance metrics based on disease specific analysis eg: Covid 19 findings

Reporting

User Configurable and automated scheduled reports
All Visualization and dashboard analysis
HL7 / DICOM Message analysis
Anonymized data export
CSV, HTML, data export
Reporting by Cross Tab analysis
Reporting by specified Filter analysis

Design and automate the distribution of reports or provide detailed anlaysis for monitoring of benchmark KPIs

Dashboards

User configurable dashboards utilizing a drag and drop methodology for simplified construction

Unlimited user licensing with role specific functionality
Section of Charts, Tables and selectable filters and analysis

Generate graphics and summary reports of dashboards created

Easily create custom dashboards and reports to measure and monitor workflow efficiency, resource utilization, turnaround times, operational costs, and more

Natural Language Processing

NLP engine parses every word of radiology reports using SNOMED and RAdLex dictionaries:

    . Segment the reports into sections (Indication, Findings, Impression)
    . Identify and categorize all medical terms (disorders, findings, etc)
    . Identify if the radiologist said the disease term was present or absent and if they were uncertain about

Quality Assurance reporting for:
    . Resident Training Scoreboard
    . Exam Follow up Tracker
    . Referring Physician Case Reports
    . Radiologist Reporting Accuarcy

Extract, correlate, and structure insights from narrative radiology reports in real-time to support chronic disease management and clinical research

Vendor Neutral Platform

RIS Integrations:	Epic KONICA MINOLTA MEDITECH AGFA HealthCare Cerner RIS RADIOLOGY IMAGING SOLUTIONS	
PACS Integrations:	Intelerad GE FUJIFILM AGFA HealthCare PHILIPS	
NLP Integrations:	emtelligent™	
Peer Review Integrations:	Intelerad	
Physician Scheduling Integrations:	QGenda	
Altering and Notification Integrations:	Medchat	