

# Telegenisys launches Visualize Medical Records (VMR) Analytics Module

*Experience the simplicity and quality of modern medical data analytics*

FAIRFIELD, CALIFORNIA, USA, November 5, 2021 /EINPresswire.com/ -- Telegenisys, a leading provider of healthcare analytics and data management solutions has announced the release of its new medical analytics module - VMR Analytics. This module will be used to help healthcare teams in predicting risks, improving patient outcomes, the study of disease progressions, personal injury cases, evaluating life expectancy, and monitoring overall patient health. Insights obtained from patterns and correlations in historical data enable better decision-making with a categorical view of a patient's medical reports, medications, allergens, lab results, procedures, etc. are provided with an intuitive interface.

Telegenisys' medical records team focuses on business requirements, solution flexibility, adaptability to the potentially changeable environment, and most importantly, time-to-value makes it an ideal partner for healthcare analytics initiatives.

"The new medical analytics module offers a responsive approach to addressing the medical review needs of researchers, attorneys and underwriters. The analytic module converts free flow

The image displays two screenshots of the Telegenisys VMR Analytics software interface. The top screenshot shows a table of medical events with columns for Reference ID, Date, Provider, Taxonomy, Event Type, and Description. The bottom screenshot shows a table of medication mentions with columns for RxName, Rx Group, LastDate, and PatientID.

Reference ID	Date	Provider	Taxonomy	Event Type	Description
6/29/2020 2:00:00 AM	6/29/2020	290 POLAK, CIARA	Family Medicine	Outpatient Physician Note	After visit summary
6/29/2020	6/29/2020	134 POLAK, CIARA	Family Medicine	Outpatient Physician Note	Follow up
6/29/2020	6/29/2020	293 POLAK, CIARA	Family Medicine	Medication List	Patient history report
5/12/2020 2:13:00 PM	5/12/2020	415 MONTEVERDI, JORDAN	Family Medicine	Outpatient Physician Note	Incomplete medical record
5/12/2020 2:13:00 PM	5/12/2020	405 ADAMS, JESSICA	Physician Assistant	Laboratory Report	CMF panel
5/12/2020	5/12/2020	408 SAN JUAN REGIONAL MEDICAL CENTER, INC.	Registered Nurse	Administrative	Patient information, physicians on
5/12/2020	5/12/2020	406 MONTEVERDI, JORDAN	General Acute Care Hospital	Hospitalization Note	Social history, family history, proce
4/26/2020 2:00:00 PM	4/26/2020	431 SAN JUAN REGIONAL MEDICAL CENTER, INC.	General Acute Care Hospital	Laboratory Report	Order: Basic Metabolic Panel
4/26/2020 2:00:00 PM	4/26/2020	432 SAN JUAN REGIONAL MEDICAL CENTER, INC.	General Acute Care Hospital	Hospitalization Note	Ventilator data
4/26/2020 12:15:00 PM	4/26/2020	485 BERNARD, STEPHEN	Internal Medicine - Interventional Card	Administrative	Patient information
4/26/2020 10:25:00 AM	4/26/2020	2000 BROWN, CHARLES	Radiology - Diagnostic Radiology	Outpatient Physician Note	Cardiology progress note
4/26/2020	4/26/2020	446 SAN JUAN REGIONAL MEDICAL CENTER, INC.	General Acute Care Hospital	Hospitalization Note	History - Ph
4/26/2020	4/26/2020	478 SAN JUAN REGIONAL MEDICAL CENTER, INC.	General Acute Care Hospital	Administrative	Physician standard order for transf
4/26/2020	4/26/2020	413 SAN JUAN REGIONAL MEDICAL CENTER, INC.	General Acute Care Hospital	Hospitalization Note	Physician certification statement f
4/26/2020	4/26/2020	429 SAN JUAN REGIONAL MEDICAL CENTER, INC.	General Acute Care Hospital	Outpatient Physician Note	Physician standard orders for trans
4/26/2020	4/26/2020	422 SAN JUAN REGIONAL MEDICAL CENTER, INC.	General Acute Care Hospital	Outpatient Physician Note	Chief Complaint - Heart problems, HP
4/26/2020	4/26/2020	326 JACOB, GULLOY	Registered Nurse	Nurses progress note	NURSING NARRATIVE NOTE
4/25/2020 6:00:00 PM	4/25/2020	525 CHURCH, CLAY	Nurse Practitioner - Family	Outpatient Physician Note	Duplicate m
4/25/2020 12:41:00 PM	4/25/2020	486 BERNARD, STEPHEN	Internal Medicine - Interventional Card	Outpatient Physician Note	HP1 - Some i
4/25/2020 6:30:00 AM	4/25/2020	1083 BROWN, CHARLES	Radiology - Diagnostic Radiology	Radiology Report	History - Shc
4/25/2020 5:13:00 AM	4/25/2020	1086 SANDHU, FARAZ	Internal Medicine - Cardiovascular Dis	Radiology Report	ECG report
4/25/2020 5:13:00 AM	4/25/2020	540 ROGERS, SEAN	Psychiatry & Neurology - Neurology	Radiology Report	ECG
4/25/2020 4:49:00 AM	4/25/2020	511 KATELYN, AYERS	Registered Nurse	Hospitalization Note	NURSING NARRATIVE NOTE
4/24/2020 12:29:00 PM	4/24/2020	488 BERNARD, STEPHEN	Internal Medicine - Interventional Card	Outpatient Physician Note	Cardiology progress note
4/24/2020 12:29:00 AM	4/24/2020	1083 ORSOLDI, ROBERT	Radiology - Diagnostic Radiology	Radiology Report	HP1 - No am
4/24/2020	4/24/2020	572 PALMER, BRITTANY	Internal Medicine - Advanced Heart Fail	Radiology Report	History - Sto
4/24/2020	4/24/2020	503 ROGERS, SEAN	Psychiatry & Neurology - Neurology	Outpatient Physician Note	ECHOCARDIOGRAM
4/23/2020 3:48:00 PM	4/23/2020	526 ROGERS, SEAN	Psychiatry & Neurology - Neurology	Outpatient Physician Note	Critical care progress note
4/23/2020 3:55:00 PM	4/23/2020	506 WARD, LEWIS	Pharmacist - Therapeutic	Pharmacy	Chief Compl
					PROGRESS NOTE
					Duplicate m
					Cardiology follow up
					HP1 - Patient
					PHARMACY PROGRESS NOTE

  

RxName	Rx Group	LastDate	PatientID
IBUPROFEN	BULK CHEMICALS	6/29/2020 2:00:00 AM	5
MAGNESIUM SULFA	MAGNESIUM SALTS REPLACEMI	4/24/2020	5
SODIUM CHLORIDE	SODIUM/SALINE PREPARATION	4/24/2020	5
HYDROCODONE-AC	OPIOID ANALGESIC AND NON-	4/23/2020 11:01:00 AM	5
ISOSORBIDE MONO	VASODILATORS, CORONARY	4/23/2020 11:01:00 AM	5
METOPROLOL SUCC	BETA-ADRENERGIC BLOCKING	4/23/2020 11:01:00 AM	5
POTASSIUM CHLOR	POTASSIUM REPLACEMENT	4/23/2020 11:01:00 AM	5
LISINAPRIL &	THIAZIDE-LIKE DIURETIC	4/23/2020	5
CHLORHEXIDINE GL	BULK CHEMICALS	4/22/2020 1:36:00 PM	5
RESPIRATORY THER	AIDS, DEVICES, EQUIPMENT	4/21/2020 2:51:00 PM	5
CALCIUM GLUCONA	CALCIUM REPLACEMENT	4/19/2020	5
NEURONTIN	ANTICONVULSANTS	2/11/2020	5
ERGOCALCIFEROL	VITAMIN D PREPARATIONS	1/18/2020 2:55:00 PM	5
ESTRACE	ESTROGENIC AGENTS	1/18/2020 2:55:00 PM	5
ESTRADIOL	ESTROGENIC AGENTS	1/18/2020 2:55:00 PM	5
PERIDEX	DENTAL AIDS AND PREPARATIC	1/18/2020 2:55:00 PM	5
KENALOG	TOPICAL ANTI- INFLAMMATOR	5/3/2019 2:47:00 PM	5
OMNIPaque	CARDIOVASCULAR DIAGNOSTIK	4/30/2019 9:30:00 AM	5
KEFLEX	GENERATION	2/25/2019	5
FLAGYL	ANAEROBIC ANTIPROTOZOAL-	2/8/2019	5
PROTONIX	PROTON-PUMP INHIBITORS	11/26/2018	5
PROAIR HFA	BETA-ADRENERGIC AGENTS, IN	3/29/2018	5
CYCLOBENZAPRINE	SKELTAL MUSCLE RELAXANTS	3/27/2018	5
TESSALON PERLES	ANTITUSSIVES, NON-OPIOID	3/27/2018	5
PANTOPRAZOLE SO	PROTON-PUMP INHIBITORS	3/12/2018	5
OMEPRazole	PROTON-PUMP INHIBITORS	8/10/2016	5
DIPHENHYDRAMINI	ANTIHISTAMINES - 1ST GENERA	2/26/2015	5
MECLIZINE HCL	ANTIEMETIC/ANTIVERTIGO AGI	2/26/2015	5
ATORVASTATIN CAI	ANTHYPERLIPIDEMIC- HMGCCO	5/12/2014 3:15:00 AM	5
TRAMADOL HCL	OPIOID ANALGESICS	5/12/2014 3:15:00 AM	5
UREA	KERATOLYTICS	2/12/2014 9:45:00 AM	5

## Medication mention by date

medical text into a database which can be questioned, analyzed, and used for creating graphical views of patient data. The module advances a superior solution as an alternative to the relatively weak data models in use by review teams which do this type of work manually." says Telegenisys' CEO, Mark Merani. "It is critical for healthcare entities to understand the patients' health conditions and quickly analyze any changes that occurred. This module allows extracting medical data from our unified and organized pdf files uses metadata to grasp medical facts rapidly."

[Visualize Medical Records \(VMR\)](#) analytics module includes the following capabilities.

Import of data structures created by VMR for medical information

VMR analytics module automatically imports data structures created by VMR for medical information such as medical conditions, medical providers, medical events, Medications, lab reports, etc. so that the data structures are easily customizable to any variations needed by medical teams. (Refer image: Explore the event model)

Building metadata reference to direct review attention

VMR analytics module enables building metadata reference to direct review attention to the documents that are needed for further analysis. Fast querying capabilities help in quickly finding medical information associated with specific events, procedures, tests, allergies, medications, etc. Such quick queries can provide insight into any unexpected changes in a patient's medical condition.

(Refer image: Medication mention by date)

Date and Time	Event Type	Event Description	Provider Name	Summary	Event Desc	Page	Reference Term
4/21/2001	Administrative Letter		SATVIA MEDICAL GROUP INC Internal Medicine	[Blank]	Show Details	173	NA
3/2/2008	Outpatient Physician Note	Chief complaint: Patient is interested in multiple procedures.	UMANSKY CHARLES Plastic Surgery	MR: Patient had a previous augmentation mammoplasty done with saline implants through an axillary incision and she desires to have smaller implants, desires to get implants and desires a mastopexy. Examination of the breasts shows the right breast to be soft with the implant apparently under the muscle. The left breast is hard and the implant feels like it is submammary. The breasts are gross with enlarged areolae. She has had several liposuctions and a lower abdominoplasty. She has marked adhesions of the upper abdominal skin which is severely hard and appears to be in-matted areas if not unencased. The patient has a lower abdominal scar along with a vertical scar. The umbilicus is markedly distorted and hidden among all the adhesions.	Show Details	259	NA
5/2/2008	Operative/Procedure Report	Abdominoplasty with rectopexy, posterior body lift, bilateral axillary arm lifts.	UMANSKY CHARLES Plastic Surgery	Preoperative diagnosis: Redundancy of abdomen from prior liposuction with sufficient scarred subcutaneous and dermal and fatty tissue. Looseness of posterior hip, flank and sub-axillary areas. Looseness of upper arms. Finding: Uniparous distal esophagus. On the abdomen, the skin was severely adherent and puckered and extremely thin in several areas. The umbilicus was severely scarred. There was a lower mid line incision and a c-section incision on the abdomen. Postoperatively, there were laceration marks. There was a large tattoo and the patient was aware that most of the tattoo was going to be removed. She had excess looseness of the skin of the upper arms and she realized that an axillary lift	Show Details	256	NA

## VMR patient data dashboards

Code	Count	PatientID
R52 Pain, unspecified*	172	5
R42 Dizziness and giddiness*	38	5
I46 Cardiac arrest*	29	5
E78.1 Pure hyperglyceridemia*	28	5
I50 Heart failure*	28	5
Z65.3 Problems related to other legal circumstances*	26	5
I82.90 Acute embolism and thrombosis of unspecified vein*	25	5
I82.40 Acute embolism and thrombosis of unspecified deep veins of lower extremity*	24	5
R19.7 Diarrhea, unspecified*	22	5
R11.0 Nausea*	21	5
E05.90 Thyrotoxicosis, unspecified without thyrotoxic crisis or storm*	20	5
I86.8 Varicose veins of other specified sites*	20	5
R05 Cough*	20	5
R45.1 Restlessness and agitation*	19	5
I50.3 Diastolic (congestive) heart failure*	17	5
N18.3 Chronic kidney disease, stage 3 (moderate)*	17	5
F41.9 Anxiety disorder, unspecified*	16	5
I74.9 Embolism and thrombosis of unspecified artery*	16	5
K59.0 Constipation*	15	5
K59.00 Constipation, unspecified*	15	5
K62.5 Hemorrhage of anus and rectum*	15	5
R69 Illness, unspecified*	15	5
J90 Pleural effusion, not elsewhere classified*	13	5
N95.0 Postmenopausal bleeding*	13	5
R00.1 Bradycardia, unspecified*	13	5
R10.13 Epigastric pain*	13	5
R21 Rash and other nonspecific skin eruption*	13	5
R42 Dizziness and giddiness	13	5
D64.9 Anemia, unspecified*	12	5
I63.9 Cerebral infarction, unspecified*	12	5
R06.02 Shortness of breath*	12	5

## Medical Conditions by counts

## Exporting data into the VMR patient data dashboards and graphics modules

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VMR Dashboard and graphic modules help filter medical events based on any criteria to analyze the data and display it in tabular format. With the help of these modules, any unusual or unexpected medical events can be pinpointed efficiently.

(Refer image: VMR patient data dashboards)

## Developing group views for group research supporting trend visualization

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VMR analytics also provides the capability to develop group views for group research supporting trend visualization. Instead of using aggregate reports in medical records, medical teams can use trend data that is more specific to the provider groups or specific medical conditions of patients spanning overtime to find the critical information needed for further decision-making.

## Custom reporting and query capabilities

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Finally based on this filtered medical data required by medical teams they can generate custom reports based on their requirements. Custom reporting and query capabilities help in quickly obtaining specific medical information from historical patient medical data. These reports can be used for the study of disease progressions, for personal injury cases, for evaluating life expectancy, etc.

(Refer image: Medical Conditions by counts)

## Uses Microsoft Access 365™ to provide user-level control of medical data

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VMR analytics stores all this data into Microsoft Access 365™ enabling users with customizable control to analyze and export any data they want. Since VMR analytics is designed based on MS Access 365™, there are many benefits of using this solution for medical organizations in terms of customization, cost-effectiveness, and support.

## About Telegenisys

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Telegenisys Medical Technologies Group is a division of Telegenisys Inc. a Delaware company with primary offices in Fairfield California. The group operates on two continents with a second office in Pune India. This group has worked with medical records for over 15 years and works on over 2 Million medical record pages per year. The group is composed of a variety of medical personnel and data scientists. The primary purpose of the technology group is to develop simpler ways to understand and measure medical outcomes. Having easy to visualize medical

referencing as a core goal, Telegenisys produces [Medical chronologies](#), [medical summaries](#), life expectancy abstracts, custom data extraction, and a wider variety of reports for legal, insurance, pharma, healthcare, and research. From genomics to life expectancy our work with medical records is precise and Telegenisys' software-assisted services are unparalleled.

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