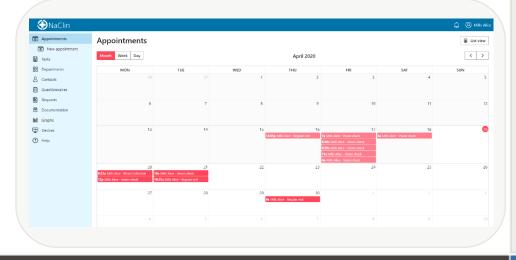
SOLUTION SHEET NAVERICA A BETTER BOTTOM LINE

Navertica Telemedicine (NaTMed)

Cloud application **Telemedicine - NaTMed** is designed for medical facilities that want to allow their clients / patients **comprehensive electronic communication** with a doctor, including viewing their documentation. On the physician's side, the communication is connected to the complex clinical system NaClin with a database structured according to the global health standard HL7.

Client / Patient gains access to the application by obtaining a login name and password from a medical facility (a combination of email, SMS, telephone or personally), which of course can be saved for easier repeated access (or as an icon on the desktop). After opening the application, the client reserves a time interval in his / her doctor's calendar by selecting from the unoccupied times. The client can choose the length of the time interval according to predefined options (e.g. preventive check-up or just writing a prescription). The doctor can mark the confirmed time in the calendar, or vice versa, the doctor can invite the client for a certain time.





Basic features of NATMed are:

- The system and the applications operate in the cloud
- Possibility to access the application by the patient from a computer, tablet or smartphone (Windows, Android, IOS)
- Free of charge access for the patient to the application
- The cost of operating the system is taken by the medical facility
- No investment requirements, operating costs only
- Payments are made monthly by bank transfer or credit card.
- Adjustable language layers
- Microsoft Dynamics 365
 PowerApps platform
- Microsoft SQL database
- Communication channel Twilio
- Link to email, SMS, MMS, WhatsApp, VoIP.

Microsoft Partner

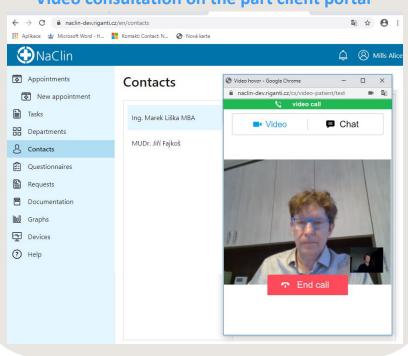
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At the agreed time, the doctor will call the client through the application, and the application will signal the client to pick up the call. The call can also be preceded by an email notification, SMS or WhatsApp. After the client picks up the call, the communication channel connects and the health care professional can talk to the patient (voice and video) and / or chat. Attachments can also be attached to the chat, as usual.

Chat initiation can also be initiated by the client, which results in a notification message and entry in the list of required events on the side of the NaClin clinical system. However, the decision to initiate communication is with the healthcare professional. The beginning and end of the communication are stored in the appropriate record of the outpatient card maintained in the NaClin clinical system.

Through the communication channel it is also possible to enter tickets, including various types of attachments, which is important for gathering all contributions from both sides under one heading - patient record in an outpatient card for one case / encounter.



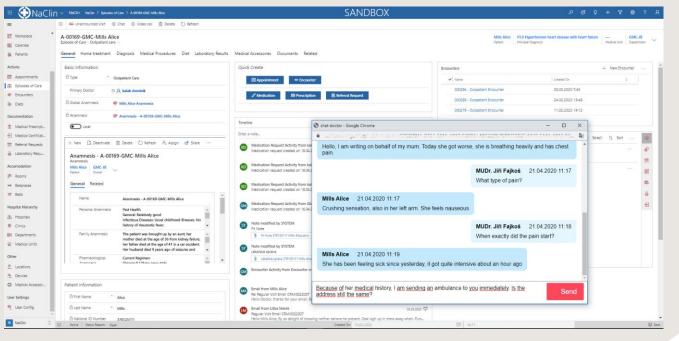
Video consultation on the part client portal

The communication channel also allows you to capture and transmit data from medical devices that the patient has with him. The application also allows the patient to view his / her data in a database made available to him / her by the doctor (e.g. laboratory results) without burdening the healthcare professional.

opponunenta	O Copy Texts Q Vi	ideo Call + Create Templa	ate 🔞 Medical Reports \vee 😒	Send to ERP 🗸 Close Encounter 📋 Delete 💍 Refresh 🖉 Flow 🗸 🖷 Word	d Templates 🛛 🗸
Episodes of Care	000294 - Out	patient Encounter			A-00169-GMC-Mills Alice Mills Alice GMC-JB Context (Epicode of Care) Patient Medical Unit Departme
Encounters					context (episode or care) Pasient Medical offic Departme
Diets	Workplace Texts Diag	gnosis Medical Procedu	res Laboratory Requests - To Pr	int Related	
E-Sick Note Medical Certificates	Principal Diagnosis	😤 111.0 Hypertensive he	Encounter Template		Quick Create
iests	🛆 Туре	* Outpatient Encounter			
Referral Requests	🛱 Created On	03.03.2020	Monitored for	This is the 3rd GMC admission for this 83 year old woman with a long history of hypertension who presented with the chief complaint of substernal "toothache like" chest pain of 12 hours duration.	Diagnosis Prescription
and the second second	Li created Off	07:45			
dar	2	03.03.2020	3		
Calendar	Date of Encounter	07:45	Current disease	Impression	
Calendar Setups	🔒 Status Reason	In Progress		Acute antelorateral myocardioal infarction, complicated by mild left ventricular dysfunction. Patient has received thrombolysis therapy. Hypertension Dysuria - 3+ bacteria in urine with pyuria	Video hover - Google Chrome A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A
modation		5-55-7-5- -			Video call
Rooms			Subjective	History of Present Illness: Ms J. K. is an 83 year old retired nurse with a long history	
Bedplaces	Global Anamnesis	Mills Alice Anamnesis	rsis	of hypertension that was previously well controlled on diuretic therapy. She was first admitted to CPMC in 1995 when she presented with a complaint of intermittent midsternal chest pian. Here lectrocarbidgman at that time showed first degree atrioventricular block, and a chest X-ray showed mild pulmonary *	
Beds		@ 000279 - Outpatient I	in		1000 All and a second s
ratory Laboratory Reque	Ê CD	Impression	Objective	She was well until 11pm on the night prior to admission when she noted the onset of "aching pain under her breast bone" while sitting, watching television. The pain was described as "heavy" and "toothache" like. It was not noted to radiate, nor	-
	₿ SBJ	History of Present	*.	increase with exertion. She denied nausea, vomiting, diaphoresis, palpitations, dizziness, or loss of consciousness. She took 2 tablespoon of antacid without relief, +	
ital Hierarchy Iospitals	🔒 овл	She was well until	* Therapy	Digoxin 0.125mg once daily	
Clinics	А тнр	Digoxin 0.125mg once daily	* *	Lasix 40mg once every other day Kcl 20mg once daily	
Departments	A EPC	This 83 year old		Tylenol 2 tabs twice daily as needed for arthritis	
Medical Units 🔹		WEITER WITH A	Summary (Epicrisis)	This 83 year old woman with a history of congestive heart failure, and coronary artery disease risk factors of hypertension and post-menopausal state presents with	The End call

Outpatient's remote encounter and video

Outpatient's card and chat



Basic client / patient functionality

The NaTMed application contains a built-in patient database and related Services, in particular:

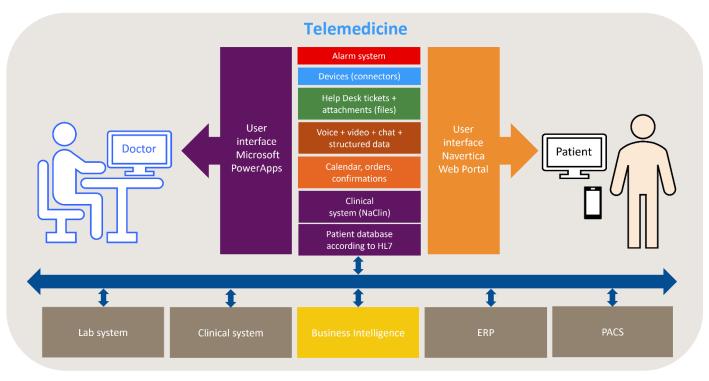
- Login to the client / patient web portal of the medical facility by name and password (or click the appropriate icon)
- Physicians' calendars including reservations, appointments and confirmations
- Secure voice and video communication, loggings are stored to the patient database
- Secure text communication (chat) stored in the patient database
- Secure communication with structured data (forms, tasks, questionnaires, tables, etc.) stored in the patient database
- Structured communication using tickets (HelpDesk) to which various attachments (e.g. messages, photos, etc.) can be added. All stored in the patient database.
- Possibility of patient views to accessible data stored in inpatient / outpatient system (e.g. laboratory results)
- Interface for on-line connection of medical devices
- Interface for alarm systems activated upon detection of predefined values of specified data fields.

Basic functionalities on the part pf a healthcare professional

- Login to the inpatient / outpatient system by a healthcare professional by name and password, assignment of workplace and professional skills according to set parameters of expert teams
- Patient identification (Patient Register) including all necessary data
- Planning / ordering calendars for various doctors or workplaces
- Variable "sister" workspace of outpatient departments (calendar, patients ordered, waiting room, work in progress, closed)
- Outpatient card and records of encounters, medication, records of provided health care, lists of documents, registered consents, issuance of certificates, diets, ...
- Prescription, ePrescription, eSicknotes
- Instructions and tasks for patients, fulfillment control (e.g. application of medicines) - can be enrolled by a doctor, but above all it can be performed remotely directly by the patient via a web portal
- Requests for examination, vouchers, laboratory results, results of imaging methods
- Posting of performed services (e.g. remote consultation) for medical aids
- Statistical outputs in graphical environment BI
- Interface to other hospital systems.

Data model

The NaClin data model is derived from the Microsoft Common Data Model (CDM) for healthcare based on the HL7 international standard and is completed by other entities by NAVERTICA. CDM is a part of the Open Data Initiative, a collaboratively developed vision of Microsoft, Adobe, and SAP. Microsoft used entities of Fast Healthcare Interoperability Resources (FHIR), such as patient, plan, and state of care as the basis for the CDM for healthcare. These entities were integrated into the Dynamics 365 Healthcare Accelerator. The data model created in this way is generic with all necessary links and can be filled with data from any medical field.



Navertica Telemedicine Services (NaTMed) is part of the Navertica Hospital Information System (NaHIS), closely linked to the Navertica Clinical System (NaClin) and loosely linked to the Navertica ERP System (NaHERP). NaTMed is an application developed on the Microsoft Dynamics 365 PowerApps platform and is suitable for hospitals and medical facilities as well as for outpatient medical practices.

Solution details

Product: MS Dynamics Power Apps

Industry classification: healthcare

Specification of customer size in the market segments considered: Small and medium segment: 1-3000 employees

Supported language versions: English, Czech, possibly. other language layers

Solution cost: The price depends on the number of healthcare professionals (named users) and the volume of data transferred between the client and the healthcare facility. Client service is free of charge.

NAVERTICA a.s.

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