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IT & Business Consulting

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Gold Enterprise Resource Planning

WE CARE HIS OVER MICROSOFT DYNAMICS 365

HEALTH INFORMATION SYSTEM



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Table of Contents

What is We Care HIS	
We Care HIS in Function	
Medical Functions.....	3
Administrative Operation Management Functions	4
Technology.....	5
Appointments:	6
In-Patient Management:.....	6
Out-Patient Management & Emergency:	6
Queue Management:.....	6
We Care HIS in Module	
.....	6
Billing Management (OPD & IPD) & Insurance Management with E-Claims (OPD & IPD):	6
EMR (OPD & IPD Clinical Data Management):.....	6
Pathology Management:	6
Radiology Management:.....	7
Operation Theater Management:.....	7
Nurse Station Management:.....	7
Bed Management:	7
Inventory & Pharmacy Management:.....	7
Nutrition Management	7
Quality & Infection Management	8

Maintenance Management	8
Laundry Management.....	8
Housekeeping Management.....	8
Cafeteria Management	8
Interfaces Management.....	8
Administration Management.....	8
Dashboard	8
Executive Summery.....	
We Care HIS In Picture	

What is We Care HIS

We Care HIS is a vertical business solution developed on Microsoft Dynamics F&O (Microsoft ERP).

We Care HIS is using two different environments in hospitals to realize and simplifies all medical and financial workflow. You can't meet the unique needs of the healthcare industry with generic software that treats all industries equally.

At We Care HIS we understand that the healthcare industry. So, We Care HIS is specifically designed for healthcare, which means it offers the broadest, deepest solutions for all organizations that serve the healthcare delivery model.

All data storage and business logic is planned and implemented on Dynamics F&O. Financial working environment is also in Dynamics F&O. For medical working environment We Care HIS has a windows forms application build on .Net Framework, named "We Care HIS Client".

We Care HIS is not a third-party hospital information management system integrated with AX but is fully developed on AX.

All the financial and trade operation is based on standard AX financial and trade modules.

For medical operations all the medical objects and the business logic is created in AX AOT with data dictionary objects and classes, so the whole solution is developed on X++. Both the medical and financial data and logic is available through Dynamics F&O Rich Client.

We Care HIS is a complete HIS (Hospital Information System) develop and positioned in Dynamics F&O as an ERP module. We Care HIS enable healthcare organizations like yours to connect strategy with operational execution, manage trends and performance, optimize and align resources, connect disparate technologies, and deliver actionable insight and intelligence.

We Care HIS in Function

We Care HIS is a complete HIS (Hospital Information System) developed and positioned in Dynamics F&O as an ERP module.

We Care HIS covers all medical and administrative workflows in hospital while Dynamics F&O is covering all corporate needs. With Dynamics F&O and We Care HIS add-on all information management needs in hospitals including medical and back office are solved in one solution easily.

We Care HIS brings a new view and understanding on HIS. Powerful ERP development environment of Dynamics F&O is used to develop all medical business logic of HIS. This makes We Care HIS a very flexible solution. Partners and customers have ability to customize all application by implementing UI, workflows, reports, etc. Installations have an implementation process based on customer needs.

As a result, there is no need for hospitals to fit in their HIS, but the HIS fits to hospital.

Medical Functions

We Care HIS is the solution you've been searching for. With industry-specific capabilities built in, We Care HIS gives you the tools to conquer your most important industry challenges.

We Care HIS has the coverage for all medical needs as a HIS with a large and detailed patient database. This database has ability to store all identification, domestic, social and contact information about patient.

We Care HIS also stores all medical information related to patient like allergies, injury, disease and operation history of patient and blood related family, treatment and prescription history, test results, radiology and pathology reports, observation notes etc.

Easy to use clinical interfaces for outpatient give ability to collect detailed information about patient on physical examinations while giving a wide perspective to medical personal by patient's past and present medical data.

Much information about patient and treatment can be stored in application including exam notes, diagnoses, treatment plans, prescriptions etc.

By treatment plans, treatment process can be easily monitored and planned as measurable and traceable. Reminders allows to inform medical personal and also patient about incoming treatment steps.

Appointments can also be managed by We Care HIS.

Wide outpatient functionality also included in We Care HIS. All clinical and administrative data can be stored in We Care HIS like rooms, beds, hospitalization and discharge info etc. Daily prescriptions, diet, treatment orders, monitoring orders can be stored and process of these can be traced through We Care HIS.

Reminders and easy to use schedules help medical personal to manage treatment process. Operation planer makes everyone to be ready on time for operation. Resource planning functions allows managing operation rooms, patient rooms, crew, doctors, supplies and all other resources easily.

LIS (Laboratory Information System) and RIS (Radiology Information System) functionality is provided by Analysis Module of We Care HIS. You can easily manage test results, report templates, minimum and maximum values, critical and crisis values. Report templates can be created as rich texts with tables and images. Order data comes from inpatient, outpatient, ER, and surgery room modules. Also, all result can be sent back to requesters and to doctors online.

All result is stored and indexed in We Care HIS as patient related medical data. These results can be seen by medical personal as they needed in the future. Also, you run data analysis on these results, and monitor changes, see results as historical graphics. Order and result workflow run seamlessly with all other modules of We Care HIS.

Reminders can be set for future and repeating tests to inform medical personal or patient. There is also ability to define alarm for crisis value to inform responsible people immediately.

Results can start, end or pause workflows. For example, a critical infection can redirect an operation approval workflow for more detailed consideration. Medical equipment integration is possible. We Care HIS can send list of tests to study to medical devices and can collect the results back. PACS communication is possible too.

Continuous treatments like physiotherapy or dialysis can be traced by We Care HIS. There is also a large functionality for other departments of hospital like housekeeping, pharmacy, food etc.

Administrative Operation Management Functions

One of the key values of We Care HIS is perfect integration with Dynamics F&O (Microsoft ERP) modules. All services provided by hospital, medicines and medical supplies are defined in inventory module of AX. All functionality of ERP, which makes a great difference, is available on medical data.

Detailed inventory management functionality of AX makes item tracing with locations and areas, usage and cost control, transfer and

purchase planning, etc. possible. Party and serial tracing allows managing expiration date control for medicine and medical supplies.

Detailed pricing engine allows creating many price lists and agreements. Patient data can be used for selecting agreements and price lists automatically and manipulating prices.

While the personal runs medical workflow, We Care HIS automatically generates financial data. Multiple invoicing for visit is possible. Fees are automatically calculated for outsourced services. Personal fees and bonuses are calculated with the data collected on medical workflow too.

All department and personal activities can be traced. Internal invoicing or familiar mechanisms can be used between departments to measure efficiency of all organization units and operations.

Because all medical and administrative data about all operations are stored as related in single application, BI implementation becomes easier and provides higher quality.

Technology

We Care HIS built-on Dynamics F&O.

Dynamics F&O has a deep integration with other Microsoft technologies like

- SharePoint
- Lync
- Exchange

Integration brings a great mobility to We Care HIS.

Also, We Care HIS tested and ready to be implemented with many systems that hospitals uses, like

- Barcodes,
- RF Ids,
- Smartcards,
- Medical Clients,
- Kiosks,
- Touch panels,
- etc.

Medical data is rendered in paper look as much as possible. This makes data more readable and more understandable for medical users.

Windows, layout, shortcuts and many UI elements design and placed to make data entrance fast and easy.

Appointments:

- Calendar view (Daily, Weekly)
- By doctor calendar
- By department

In-Patient Management:

- Patient Admission
- Electronic Medical Recorded (EMR)
- Patient Investigation
- Patient History
- Patient Medication
- Patient Medical Forms
- Patient discharge summary
- Patient treatment plan
- Patient diagnosis (ICD 10)

Out-Patient Management & Emergency:

- Patient Admission
- Electronic Medical Recorded (EMR)
- Patient Investigation
- Patient History
- Patient Medication
- Patient Medical Forms
- Patient diagnosis (ICD 10)

Queue Management:

- Count of patient by (Doctor, Department)
- Search for patient by (Visit, name, doctor, departmentetc.
- Priority for emergency case

We Care HIS in Module

Billing Management (OPD & IPD) & Insurance

Management with E-Claims (OPD & IPD):

- Patient invoice
- Insurance Invoice
- Advanced Payment
- Patient discount
- Summary & Detailed invoice
- Refund invoice
- Receipts
- Payment settlement
- Invoice processing for claims
- Claim Settlement

EMR (OPD & IPD Clinical Data Management):

- Patient clinical History
- Patient diagnosis (ICD 10)
- Investigation
- File attachment
- Patient prescription
- History & Allergies

Pathology Management:

- Configuration of a Test
- Divide test by category
- Patient sample
- System provides an option to create Units. Conventional
- This option can be used to configure test formulas
- Culture & Sensitivity Test

- Result Template

Radiology Management:

- Configuration Test template
- Prepare Patient report
- Scheduling of the Radiology equipment's

Operation Theater Management:

- Schedule
- Operation theater indication
- Operation theater plan
- Surgery Record
- Anesthesia Record
- Pre, Intra & post-operative details
- Pre & Post-Operative instruction
- Medicine & Medical supply record

Nurse Station Management:

- Patient Vitals
- EMR (IPD)
- Drug Administration
- Intake & Output Details
- CPOE (Computerized Patient Order Entry)
- Material consumption
- Inpatient Issue & Return

Bed Management:

- Patient transfer
- Bed Status
- Released bed

Inventory & Pharmacy Management:

- Indent Order
- Inpatient Drug Returns
- Current Item stock
- Good received
- Returns
- Expiry Items
- Vendor Analysis
- Indents (from Store and Wards)
- Purchase Order
- Goods/Material Receipt Note (GRN/MRN)
- Goods/Material Receipt Note Rejection and Return (GRN/MRN Return)
- Goods Issue to Department/Wards
- Goods Return from Department/Wards
- Counter Sale
- Counter Return
- In Patient Issue
- In Patient Return
- Expired Items Return
- Stock Adjustments
- Material Factorization/Merging of Items or Batches
- Alerts for Current Stock, Minimum/Maximum Stock, Reorder Levels and Expiry
- Stock Maintenance for Consignment/Charity Items
- Inventory Analysis ABC, XYZ, VED
- Item- Tax, Item-Supplier, Item-Store Configurations

Nutrition Management

- Diet Requisition: The system helps in generating the daily diet requisition for the various wards. And helps in maintain.

- Period wise diet summary
- Supply of Material
- diet chart to be provided as per hospital's prescribed format

Quality & Infection Management

- Set quality rules for employees
- Set quality & Infection rules for patients
- Set quality for medical waste

Maintenance Management

- Schedule all type of maintenance for any fixed assets such as medical equipment, vehicle and building.
- Keep track for all maintenance agreement and record.
- different type of report

Laundry Management

- Receiving of the materials form the wards and OT for washing
- Issue of material to wards and OT after washing
- Stock maintenance
- Generation of fresh linen
- Receiving of requisition for fresh items from the wards and OT
- Issue of fresh items to wards and OT

Housekeeping Management

- Block the room after patient discharge
- Clean & sterilization for the room
- Release the room for new admission

Cafeteria Management

- Receiving orders from patient rooms
- Issue charge slip for patient
- Supply of material

Interfaces Management

- Token Display
- Smart Cards
- SMS
- Digital Pen
- Scanner
- Pathology
- PACS

Administration Management

- Master Management
- Template Designing
- User Management with role-based security & definition
- Application configuration (Defaults & Policies)
- Printer Configuration
- Data Backup and Restore

Dashboard

- Daily occupancy rate
- Revenue per bed, per-patient, per-doctor
- Capacity utilization for each dept.
- Doctor revenue
- Inventory aging, item & total
- Month to month or quarter to quarter in sales, occupancy, revenue per-bed

Executive Summery

With We Care HIS you can:

- Standardize, centralize, and automate business processes in your hospital
- Consolidate your enterprise software to reduce costs
- Deliver more predictable service performance and business outcomes
- Reduce delivery costs through improved efficiencies and expense reduction
- Move from silo-driven data to hospital-wide information simultaneously across the enterprise

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We Care HIS In

Patients List

New Edit Merge Visit Details OutPatient Control InPatient Emergency Radiology Laboratory Procedure NewBorn Admission By Appointment Advance OPTIONS

PERSON SEARCH

Name National Id Person ID Birth Place Gender Birth date Fathers Name Phone
☐ Has Appointment ☐ All Facilities

Person ID	Name ↑	Fathers Name	National Id	Phone	Gender	Birth date	Birth Place	Mothers Name
002285763	8+86452 5	٣٤٥			Female	8/10/2010		
003053761	AADI ???????	KALED	1153824691	0561500336	Male	2/11/2011		
003054210	ABDALLAH ???????	MHMD	6569659	0505601291	Male	9/8/1961		
001069093	Abdelaziz Khaled		1234567890	0559999999	Male	3/8/1989		
003053996	ABDELLAH ???????	OWDA	1089993966	0545368128	Male	3/1/1993		
003053764	ABDU ALMGID ????	MANZOUR	2006175745	0556514484	Male			
003054563	ABDUALAZIZ QABLAN ??????	GABLAN	1071893331	0562244921	Male			
003053464	ABDUALRAHMAN ?????	YOUSUFF	1136393848	0566337302	Male			
003053932	ABDUALRAHMAN ???????	ALI	1025443043	0556080883	Male			
003054796	ABDUALRAHMAN 0	ABDULWAHED	1128960141		Male	9/1/2004		
000001747	Abdul hakeem							
000002259	Abdul Hakim Ahmed Sadayo							
000001867	Abdulaziz Mohammad salim							
000001978	Abdulaziz Mohammad salim							

Visits Appointments

C...	Visit Id	Admission Date	Control Date	Admission Type	Medical Status	Facility	Clinic	Physician	Agreement	Bed	Discharge
<div> We didn't find anything to show here. </div>											

Add New Patient

Patient Details

Person Number Citizenship Type Country/region Language

Identification

GENERAL

Name

Mothers Name

Gender

Fathers Name

Birth date

Cell Phone

National Id

Birth Place

Personal Email

ADDRESS

Country/region


Street

ZIP/postal code

Other


PATIENT STATUS

+ New

✓	Status Type	Note line
 <p>We didn't find anything to show here.</p>		

LOYALTY CARD

+ New

✓	Active	Loyalty Card	Card Number	Effective	Expiration
 <p>We didn't find anything to show here.</p>					

OK Cancel

Appointments

[illegible]

Visit Creation

OutPatient 001069093 - Abdelaziz Khaled - 1234567890 - Male - 30 Years 7 Months

AdmissionDetails

Clinic *	Physician *	Notes	Patient Status  We didn't find anything to show here.	Facility *
ProtocolNum	Triage Type	Treatment Type		

Agreement

Agreement *	Contract	Insurance Class	Policy Num	Calculated Price
		Customer Num	Registration Num	<input type="button" value="Select"/>

Reference Visit

☐ Same Physician ☐ Same Agreement

Clinic

Select	Visit	Admission Date	Admission Type	Physician	Agreements
 We didn't find anything to show here.					

Patients Admission

+ Add
+ Change
+ Print
+ Discount
+ Correction
+ Provision
+ Advance
+ Collection
+ Invoice
OPTIONS

001069093 - Abdelaziz Khaled - 3/8/1989 - Male

VISIT DETAILS

... Agreements

→ BUBA-AECOM Group

Name	Need Prepay	Req Provision	Provision Type	Invoiced	Open Account	Curr...	Ceiling	Balance	Amount	Net Amount	Tax Amount
Bupa Arabia				✓		SAR	0.00	0.00	0.00	0.00	0.00
BUBA-AECO...				✓		SAR	0.00	0.00	0.00	0.00	0.00

Waiting Requests
Transactions
Provisions
Invoices
Collections

Cancel Trans
Undo Cancel Request
Recalculate
Unsettle
Discount Detail

Transaction	Trans Date	Product	Price Name	Agreement	Ceiling	Provision	Correction	Discount	Discount %	Amount	Open Amount	Unit	Ceiling	Prv	Disc	Ne
<div> We didn't find anything to show here. </div>																

PRICING DETAILS

Billing Management

New Invoice

Legal Form: Invoice date: Address name:

Customer: Currency: Rate: Address:

Tax Office Name: Tax Number:

Note:

Invoice Design:

Invoice Type:

Payer Type:

	SAR	SAR
NET AMOUNT	507.00	507.00
TAX AMOUNT	25.35	25.35
AMOUNT	532.35	532.35
OPEN AMOUNT	-532.35	-532.35

New Collection

+ Cash + CreditCard + Gift Voucher + Refund ☐ Delete ☐ Cancelled

Date	Method	Amount	Currency	Rate	Amount	Used
We didn't find anything to show here.						

POS Device Account:

Installments:

Auth Code:

Select all Deselect all

Select	Visit	Transaction	Trans Date	Price Code	Price Name	Net Amount	Tax Amount	Amount	Open Amount	Used
<input checked="" type="checkbox"/>	Visit0000085	Trns0000169	10/21/2019	CN0499	C-DEN - DR. ...	12.00	0.60	12.60	12.60	12.60
<input checked="" type="checkbox"/>	Visit0000085	Trns0000172	10/21/2019	YD-074	AMALGUM FL...	495.00	24.75	519.75	519.75	519.75

OK Cancel

Doctor Active Examination

Examination

Prescription

Patient Examination

Reset

All

Cancellations

OPTIONS

ACTIVE EXAMINATIONS

Examination Date

Name

National Id

Person ID

Visit Id

Gender

Birth date

Birth Place

Clinic

Physician

10/21/2019

Visit Id

Trans Date

Status

Trans Number

Name

National Id

Gender

Birth date

Facility

Clinic

Visit0000085

10/21/2019

Requested

Trns0000169

Abdelaziz Khaled

1234567890

Male

3/8/1989

5637144578

Dental

History

+Dental +Consultation +Radiology +Laboratory +Prescription +Indication +Procedure +Medical Report +Order Print Dcaf History OPTIONS

001069093 - Abdelaziz Khaled - 3/8/1989 - Male - 30 Years 7 Months

History Progress Notes Requests Treatment Appointment Prescription Order Info Comment

General

How do you assess your overall health status?

What has been the pattern of your health picture over the past few years?

How content are you with your present general health?

Family

Father: No ☒

Mother: No ☒

Siblings: No ☒

Type

Past Medical History

Unusual Childhood Illness? No ☒

Significant Heat Illness?

Review of Symptoms

Allergic Immunologic

Blood Lymph

Breast

Cardiovascular

Constitutional

Endocrine

Extremities

Eyes

Gastrointestinal

Genitourinary

HENT

Integument

Musculoskeletal

Neck

Neurological

Psychiatric

Respiratory

Other

Past Surgical History

Is there a history of surgery in the past that ... No ☒

Social

Smoking? No ☒

Pits? No ☒

Recent Travel? No ☒

Marital Status?

Are there topics that you would like to discuss in complete confidence regarding your social or sexual like? No ☒

Details

Progress Notes

+Dental
+Consultation
+Radiology
+Laboratory
+Prescription
+Indication
+Procedure
+Medical Report
+Order
Print Dcaf
History
OPTIONS

001069093 - Abdelaziz Khaled - 3/8/1989 - Male - 30 Years 7 Months

History
Progress Notes
Requests
Treatment
Appointment
Prescription
Order
Info
Comment

Pain Scale

0 1 2 3 4 5 6 7 8 9 10

Vital Signs

Temp 0.00 BPH 0 BPL 0 PR 0 SpO2 0 RBS 0

History of Patient Illness

Site: None
Duration: None

Quality: None
Modifying Factor: None

Severity: None
Associated Sign and Symptoms: None

Timing: None
Other: None

Deferential Diagnostic

Physical Examination

General Normal

H.E.E.N.T Normal

Neck Normal

Chest/Thorax Normal

Comfortable, No Distress

There is no jaundice, Extra ocular muscle movements are intact, No sinus tenderness, Normal oral and pharyngeal examination

Normal tracheal position, No enlargement, Tenderness, Mass in the thyroid and distension jugular veins

Normal shape, Normal respiratory movements, No use of accessory muscles of respiration

Normal air exchange bilaterally, No bronchial breath sounds, No

+ Add Diagnosis Delete

+ Add Allergy Delete

Category Allergy From

We didn't find anything to show here.

We didn't find anything to show here.

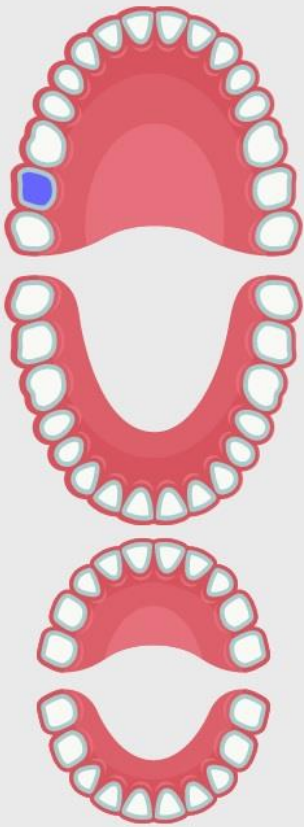
Dental Treatment


+ Dental
 + Consultation
 + Radiology
 + Laboratory
 + Prescription
 + Indication
 + Procedure
 + Medical Report
 + Order
 Print Dcaf
 History
 OPTIONS

001069093 - Abdelaziz Khaled - 3/8/1989 - Male - 30 Years 7 Months

History
 Progress Notes
 Requests
 Treatment
 Appointment
 Prescription
 Order
 Info
 Comment

Procedure	Teeth
Amalgam Filling 3 Surfaces	Teeth 17



Procedure	Trans Date
 <p>We didn't find anything to show here.</p>	

Physiotherapy Treatment

+ Consultation
+ Radiology
+ Laboratory
+ Prescription
+ Indication
+ Procedure
+ Medical Report
+ Order
History
OPTIONS

001069093 - Abdelaziz Khaled - 3/8/1989 - Male - 30 Years 7 Months

History Progress Notes Requests Treatment Appointment Prescription Order Info Comment

+ New Save Delete

✓	Physiotherapy	Product name	Duration	Repeat
✓			00:00	0

