

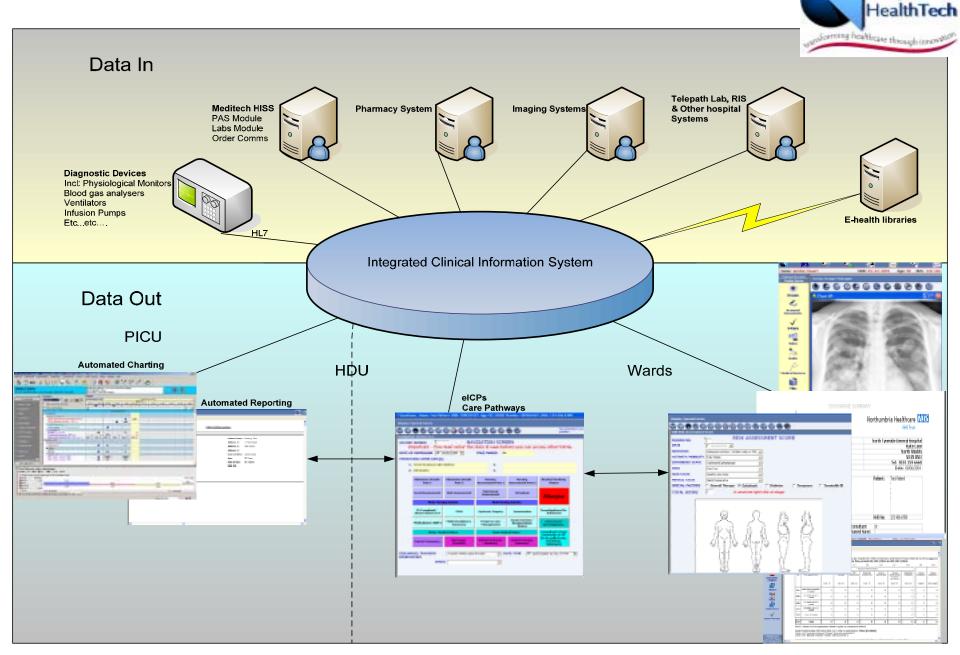


### Electronic Medical Records Data Safety & Security

### Patient Data is an ASSET

You need to Protect It

#### EMR Patient Data Scenario-Multiple Inputs







### **Concerns on EMR Data**

- Safety & Security of Patient Data
- Confidentiality of Patient Data
- Misuse of Data
- Availability of Data
- Insurance/Regulatory Issues





### Some Guidelines

ASTM American Society for Testing & Materials (Access Control, Authentication & Non-Repudiation)
HIPAA- Confidentiality and Security
NABL- Accreditation of Indian Healthcare Providers-Internationally Accepted
JCAHO (Focus on Patient Care)





### **Current Scenario**

 NABH has some released guidelines for Accreditation of healthcare providers this year in February 2006 •The Guidelines are designed to bring in standardization in healthcare practices NABH certification mandates minimum standards for Manpower, Facilities and Maintenance of records •Example- Reports are to be stored for a minimum period, Reports have to be signed by Authorized Personnel only National registries require medical records to be stored for long periods of time





**Insurance and Regulatory** 

- 1. Access to Medical Record
- 2. Data Sharing between healthcare providers and the Insurance Cos Security & Confidentiality
- 3. Fraud Control Incorrect Claims
- 4. Disease Patterns- Statistics & Risk Assessment
- 5. Digital Signatures- For Electronic Data Transfer
- 6. Evolving Regulatory Environment- New Rules keeping the Consumer in Focus





Administrative Procedures for Data Security, Integrity and Availability

- Accreditation
- Data back up Plan
- •Disaster Recovery Plan
- •Access Management Plan
- Maintenance Plan
- •Personnel Policy
- Virus Protection Plan
- •User Education & Training Plan





Technical Procedures for Data Security, Integrity and Availability

Access Control
Accountability (tracking)
Data Back up and storage
Role Based Access
User Identification
Alarms and Event reporting
Audit Trail
Encryption

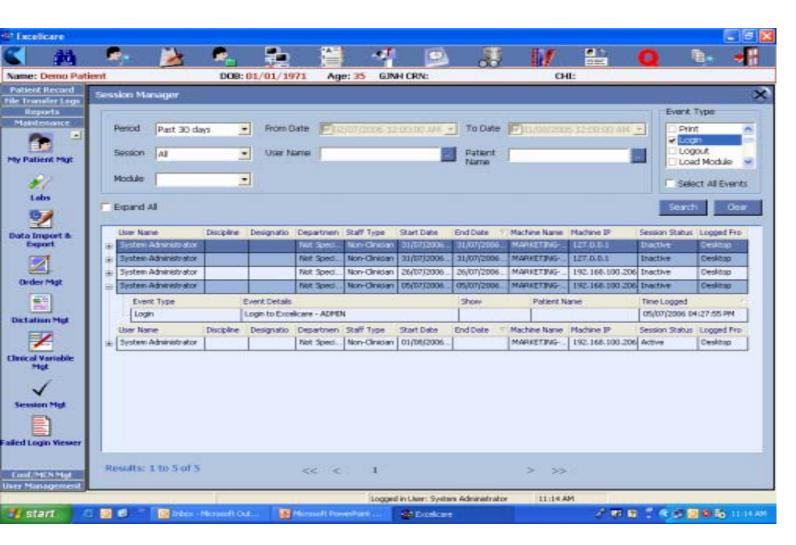
•Sign Offs





#### Access Control -Log In





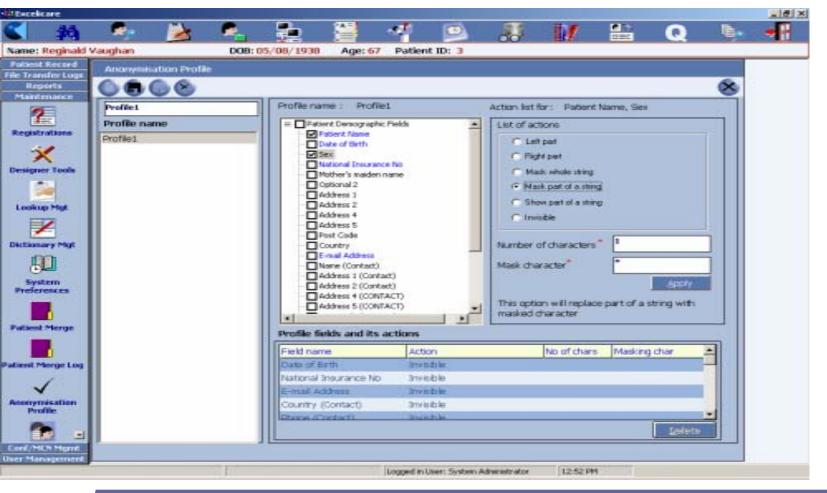
#### Log In history







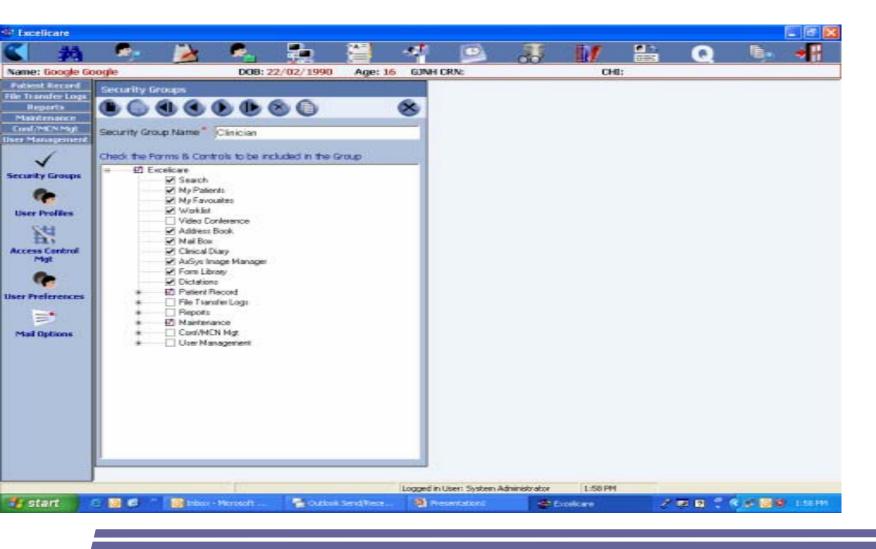
#### Confidentiality-Anonymization of Patient Data when collaborating or sharing data





#### Creation of security groups for Users







Creation of User Profiles for Access of Data-User Specific Profiles 🕏

Excelicare								- IT 🔀
S #4	- 🎭 🎽	- 🗛 🔮 🗯	- 4 😐	M		0		-
Name: Google Go	oogle	D08: 22/02/1990 /	ge: 16 GJNH CRN:		CHE:			11.000
Patient Record	User Profiles							
File Transfer Logs Reports					8			
Maintenance Conf/MEN Mgt	User Details	-						
User Management	User Type"	Chrician	Department	Orthopaestics				
100	Sumame	Giniminth	Facilities	Orthopaedic	10			
Security Groups	Forename1	Notes						
1	Discipline	Médical			100			
User Profiles	Speciality	Orthopaedics -C6						
544	Designation	Considert	5					
<b>B</b> 5	Login Details			and a second sec				
Access Control Mut	Login Name"	andrew	Security Groups"	Administrator	-			
~	Password*		EIN (					
	Confirm Password		Signature					
User Preferences	Profile Activated	<b>P</b>	Voice Signature	None	100			
	Lab Security Details		Order Communicatio	9	100			
Mail Options	Security Level		Security Level		+			
the second second second	Depts Accessible	a1 a2	Personal Diary Interv					
		Allergy Testing		and the second se				
		Biochemistry	Diary Interval (min.	1 -				
	User Functions Discribute Record Export Media Iter Patient MCN Mgt MCN Mgt Don't Force Pase Session Mgt	ns 🛛 🖓 Access Control N	Agt Designer Tool Excellport Use Ad hoc Report Label Design	E P Data Import 8 F ShomedCT A	k Esport dmin Mode iler Mgt			
			Logged in User: Syste	em Administrator 1.5	9 PM		-	
猾 start	6 🔟 🖨 " 🔝 🖬	ox - Marosoft	State 🌒 Resentation)	Storiere .	2	🖙 🛛 🗘 🤇		10999

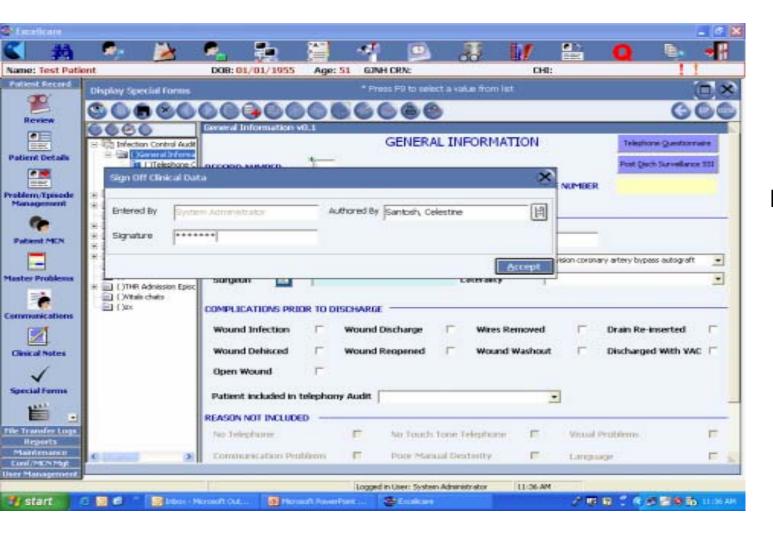


#### Access Control Management- Administration



Excelicare								- 2 🛛
6 判	- 🙈 - 🚵 - I	P. 🏪	1	1 😐		M 🔛	Q	16. + <mark>1</mark>
Name: Google Go	ogle	008: 22/02/1990	Age: 16	GONH CRN:		CHE:		
Patient Record File Transfer Logs Reports		and the second se					8	
Maintenance Card/MEN Mgt Uver Management	Group Type * Spatem Gro	мp	•	Group Name *	abent Group			
Security Groups	End Bate	105 1			_			
	Participation and Participatio		Stat	ff members	1			
User Profiles	Staff Name	Designation	Start Date	Set By	End Date	Ended By	Restriction +	
1	Frederic Jean-Max Picard	and the second	29/06/2005	Ross Philips				
V	DOC TEST	Doctor	29,04/2005	David Lyle	05/06/2006	System Administr	Level1	
Access Control Mgt	prapra	Consultant	25/03/2006	System Administra				
	latha M	murse.	26,05/2006	System Administrati		-		
	Roja N	Doctor	25,05/2006	System Administra	1			
User Preferences	praveen1 praveen1	Consultant	26,03/2006	System Administra				
User Preferences	david D	Doctor	23,05/2006	System Administra	11 - 11 - 11 - 11 - 11 - 11 - 11 - 11	2 H		
	Over All Test	General Practitioner	and the second se	System Administrati				
and the second second	samin	Pharmacist	23/05/2008	System Administra		1		
Mail Options	Moon Sun	General Practitioner	and the second se	System Administra				
	Ax-Other Ax-Staff	Hosp-Assistant	23/02/2006	System Administra				
	Other Staff Over all test	Head Nurse	23/02/2006	Over All Test	-	-		
	mkr p	Professor	22/03/2006	System Administra		1 11		
	Brown Phillip	General Practitioner	22/02/2006	System Administra	_	-		
	Selected staff member Access rights for Freder Philips		re set by Ross	Enter Dates Start Date*   - End Date   -	]29/06/2005 ]29/06/2005	Restriction Nor	glete Stall	
		1	11	Logged in User: System Ad	winistrator	2:01 PM		
🏰 start 👘	S 📴 🗗 🕺 🛄 Seback - Ma	rosoft 🔜 📑 Outlo	ok Send(Rece	Presentation1	de Excel		19 II ( 1 ( 1 ( 1 ( 1 ( 1 ( 1 ( 1 ( 1 ( 1	20184 S







#### **Digital Sign Off**



#### Failed Log in record- Track of Access Attempts



The Transe       Failed Login Viewer         Transe       Machine Name       Machine F         Description       Date Rame       Machine IP       Date r/ Trans         We praiser. Hysi       Date Rame       Machine Name       Machine IP         Date Support R       Date / Trans       Machine Rame       Machine IP         Date Support R       Date / Trans       Machine Rame       Machine IP         Date Support R       Date / Trans       Machine Rame       Machine IP         Date Support R       Date / Trans       Machine Rame       Machine IP         Date Support R       Date / Trans       Machine Rame       Machine IP         Date / Trans       Machine Rame       Machine IP       Date / Trans         admin       NaHielTHS-DeHKO       192-168.100.206       26,077/2006 1-46:00 FM         Date / Trans       Marketh       MarkethTHS-DEHKO       192-168.100.206       26,077/2006 1-46:00 FM         Distaine Myt       Marketh MarketTHS-DEHKO       192-168.100.206       26,077/2006 1-47:08 FM       Machine IP         Distaine Myt       MarketTHS-DEHKO       192-168.100.206       26,077/2006 1-47:08 FM       Machine IP         Distaine Myt       MarketTHS-DEHKO       192-168.100.206       26,077/2006 1-47:08 FM       MarketSI	Lacationers					. 6 🗈
Final Cogin Viewer       Image: Comparison of the second of the fill of the second of the fill of th	<b>2</b> 35	🛛 🛃 🚵	🔍 🛃 🔛	-4 🔍	JU 🔰 🔛	0
The Transe       Failed Login Viewer         Transe       Machine Name       Machine F         Description       Date Rame       Machine IP       Date r/ Trans         We praiser. Hysi       Date Rame       Machine Name       Machine IP         Date Support R       Date / Trans       Machine Rame       Machine IP         Date Support R       Date / Trans       Machine Rame       Machine IP         Date Support R       Date / Trans       Machine Rame       Machine IP         Date Support R       Date / Trans       Machine Rame       Machine IP         Date Support R       Date / Trans       Machine Rame       Machine IP         Date / Trans       Machine Rame       Machine IP       Date / Trans         admin       NaHielTHS-DeHKO       192-168.100.206       26,077/2006 1-46:00 FM         Date / Trans       Marketh       MarkethTHS-DEHKO       192-168.100.206       26,077/2006 1-46:00 FM         Distaine Myt       Marketh MarketTHS-DEHKO       192-168.100.206       26,077/2006 1-47:08 FM       Machine IP         Distaine Myt       MarketTHS-DEHKO       192-168.100.206       26,077/2006 1-47:08 FM       Machine IP         Distaine Myt       MarketTHS-DEHKO       192-168.100.206       26,077/2006 1-47:08 FM       MarketSI	Name: Google	Google	D08: 22/02/1990 Age	16 GUNH CRN:	DHL:	
Vier Name Machine Name     Vier Name Machine Rame     Vier Name Machine Rame     Vier Name Vier Name     Vier Name Nathine Starze     Vier Nathine Nathine Starze     Vier Nathine Nathine Starze <th>Patient Record</th> <th>Falled Login Viewer</th> <th></th> <th></th> <th></th> <th>×</th>	Patient Record	Falled Login Viewer				×
We Range Las       Date Range Las       Date Range Las       Date Range Las       Date Range Las       Date Marker Model       Date / True       Date / True         Model Range Las       Model Range Las       North Marker Tak-Demo       192.168.100.206       26,07/2006 1:46:50 FM         Model Range Las       Model Range Las       North Marker Tak-Demo       192.168.100.206       26,07/2006 1:46:50 FM         Model Range Las       Model Range Las       North Marker Tak-Demo       192.168.100.206       26,07/2006 1:46:30 FM         Model Range Las       Model Range Las       Model Range Model Range Range       North Range Model Range Range       North Range Range			122	100	6 F. 10	
Image: State State   Image: State State State   Image: State State State   Image: State State State   Image: State Sta			Machine N	ame	Machine IP	
New Patient Mat     I Day     I Day <th>-</th> <th></th> <th></th> <th></th> <th></th> <th></th>	-					
Kuta       Data     Data     Data     Tura       Machine Name     Machine Name     Nachine P     Data     0.007/2006 1:45:50 PM       Machine SP     Data     192:168:100.206     26,077/2006 1:45:50 PM       Machine Market TNAC-DENKO     192:168:100.206     26,077/2006 1:45:20 PM       Machine SP     Data     192:168:100.206     26,077/2006 1:45:20 PM       Machine Market TNAC-DENKO     192:168:100.206     26,077/2006 1:45:20 PM       Machine Market TNAC-DENKO     192:168:100.206     26,077/2006 1:47:20 PM       Market TNAC-DENKO	My Patient Mak		Mark Charts Char 4		- Search	Clear
Labs         Machine IP         Date / Time           With Market Trade Detection 192 168 100 206         26,07/2006 1:45:00 PM           admin         NARRETTRADENDO         192 168 100 206         26,07/2006 1:45:00 PM           admin         NARRETTRADENDO         192 168 100 206         26,07/2006 1:45:00 PM           makesh         MARRETTRADENDO         192 168 100 206         26,07/2006 1:45:00 PM           makesh         MARRETTRADENDO         192 168 100 206         26,07/2006 1:45:00 PM           makesh         MARRETTRADENDO         192 168 100 206         26,07/2006 1:45:00 PM           makesh         MARRETTRADENDO         192 168 100 206         26,07/2006 1:47:00 PM           pradep         MARRETTRADENDO         192 168 100 206         26,07/2006 1:47:00 PM           pradep         MARRETTRADENDO         192 168 100 206         26,07/2006 1:47:00 PM           pradep         MARRETTRADENDO         192 168 100 206         26,07/2006 1:47:00 PM           pradep         MARRETTRADENDO         192 168 100 206         26,07/2006 1:49:00 PM           pradep         MARRETTRADENDO         192 168 100 206         26,07/2006 1:49:00 PM           pradep         MARRETTRADENDO         192 168 100 206         26,07/2006 1:49:00 PM           pradep         MARRETTRADENDO			Tites (Dout) Tes	120/07/2008		
Labs         User Name         Machine Nr         Data / Time           Order Mar         Admin         NAMESTING-DEMO         192,169,100,206         25,077,000,01,145,00,PM           Data Simperit B         Marketh         MARKETING-DEMO         192,169,100,206         25,077,000,01,145,00,PM           Data Marketh         MARKETING-DEMO         192,169,100,206         25,077,000,01,145,00,PM           Marketh         MARKETING-DEMO         192,169,100,206         25,077,000,01,146,00 PM           MARKETING-DEMO         192,169,100,206         25,077,000,01,146,00 PM           MARKETING-DEMO         192,169,100,206         25,077,000,01,147,00 PM           Pradeep         MARKETING-DEMO         192,169,100,206         25,077,000,01,147,00 PM           Pradeep         MARKETING-DEMO         192,169,100,206         25,077,200,01,147,00 PM           Pradeep         MARKETING-DEMO         192,169,100,206         25,077,200,01,149,00 PM           Station Mgt         Pradeep         MARKETING-DEMO         192,169,100,206         25,077,200,01,149,00 PM           Station Mgt         Pradeep         MARKETING-DEMO         192,169,100,206         25,077,200,01,149,00 PM           Station Mgt         Pradeep         MARKETING-DEMO         192,169,100,206         25,077,200,01,149,00 PM <t< th=""><th></th><th>Results: 10 rows mate</th><th>th the search criteria</th><th></th><th></th><th></th></t<>		Results: 10 rows mate	th the search criteria			
Sector         Admin         NARRETNIC-DENC         192:168:100.206         26,07/2008 1:45:50 FM           Data Import 8 Export         MARKETNIC-DENC         192:168:100.206         28,07/2008 1:46:50 FM           With Export         MARKETNIC-DENC         192:168:100.206         28,07/2008 1:46:28 FM           With Export         MARKETNIC-DENC         192:168:100.205         28,07/2008 1:46:28 FM           With Export         MARKETNIC-DENC         192:168:100.205         28,07/2008 1:47:29 FM           MARKETNIC-DENC         192:168:100.205         28,07/2008 1:47:29 FM           ADMRI         MARKETNIC-DENC         192:168:100.205         28,07/2008 1:47:29 FM           Pradeep         MARKETNIC-DENC         192:168:100.205         28,07/2008 1:47:29 FM           Pradeep         MARKETNIC-DENC         192:168:100.205         28,07/2008 1:47:29 FM           Statalion Mgt         MARKETNIC-DENC         192:168:100.205         28,07/2008 1:47:54 FM           Statalion Mgt         MARKETNIC-DENC	Labs			Martine IP	Date / Time	
Data Import 8 Isport         Schwitz         NVMSE TMC-DEMO         192:168.000.206         25,007,000 1:45:00 PM           Data Import 8 Isport         MARKET FWI-DEMO         192:168.000.206         25,007,000 1:45:00 PM           Data Import 8 Isport         MARKET FWI-DEMO         192:168.000.206         25,007,000 1:47:00 PM           Data Import 9 Import         MARKET FWI-DEMO         192:168.000.206         25,007,000 1:47:00 PM           Data Import 9 Import         MARKET FWI-DEMO         192:168.000.206         25,007,000 1:47:02 PM           Data Import 9 Import         MARKET FWI-DEMO         192:168.000.206         25,007,000 1:47:02 PM           Data Import         MARKET FWI-DEMO         192:168.000.206         25,007,000 1:47:02 PM           Data Import         MARKET FWI-DEMO         192:168.000.206         25,007,000 1:49:02 PM           Bitry         MARKET FWI-DEMO         192:168.000.206         25,007,000 1:49:02 PM           Bitry         MARKET FWI-DEMO         192:168.000.206         25,007,000 1:49:54 PM           Session Figt         MARKET FWI-DEMO         192:168.000.206         25,007,000 1:49:54 PM           Session Figt         MARKET FWI-DEMO         192:168.000.206         25,007,000 1:49:54 PM           Session Figt         Market Figure Administrator         221 PM         221 PM <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td>	0					
Export         matwath         MARKETTMC-DENIO         192.166.100.206         28,007/2006.1+65:00 PM           Order Myz         MARKETTMC-DENIO         192.166.100.206         28,007/2006.1+67:00 PM           Within         MARKETTMC-DENIO         192.166.100.206         28,007/2006.1+67:00 PM           Within         MARKETTMC-DENIO         192.166.100.206         28,007/2006.1+67:00 PM           Jonder Myz         pradisep         MARKETTMC-DENIO         192.166.100.206         28,007/2006.1+67:00 PM           Bist Alian         MARKETTMC-DENIO         192.166.100.206         28,007/2006.1+67:02 PM           Bist Alian         MARKETTMC-DENIO         192.166.100.206         28,007/2006.1+67:02 PM           Bist Alian         MARKETTMC-DENIO         192.168.100.206         28,007/2006.1+67:02 PM           Bist Alian Myz         MARKETTMC-DENIO         192.168.100.206         28,007/2006.1+67:02 PM           Session Mgz         Session Mgz         Session Mgz         20,007/2006.1+67:02 PM <td< td=""><td></td><td>admin</td><td>and the second se</td><td>192.168.100.206</td><td></td><td></td></td<>		admin	and the second se	192.168.100.206		
Markesh         Markesh <t< th=""><th>Export 6</th><th>mahesh.</th><th>MARKETING-DEMO</th><th>192.168.100.205</th><th>26/07/2006 1:46:28 PM</th><th></th></t<>	Export 6	mahesh.	MARKETING-DEMO	192.168.100.205	26/07/2006 1:46:28 PM	
Order Mig       pradeep       NARKETING-DEMO       192.168.100.206       26,07/2006 1:47:29 FM         Discussion Migt       pradeep       NARKETING-DEMO       192.168.100.205       25,07/2006 1:47:42 FM         Discussion Migt       Image: Annon       MARKETING-DEMO       192.168.100.205       25,07/2006 1:49:20 FM         Session Migt       Image: Annon       MARKETING-DEMO       192.168.100.205       25,07/2006 1:49:54 FM         Session Migt       Image: Annon       MARKETING-DEMO       192.168.100.205       25,07/2006 1:49:54 FM         Session Migt       Image: Annon       MARKETING-DEMO       192.168.100.205       25,07/2006 1:49:54 FM         Session Migt       Image: Annon       MARKETING-DEMO       192.168.100.205       25,07/2006 1:49:54 FM         Session Migt       Image: Annon       MARKETING-DEMO       192.168.100.205       25,07/2006 1:49:54 FM         Session Migt       Image: Annon       MARKETING-DEMO       192.168.100.205       25,07/2006 1:49:54 FM         Session Migt       Image: Annon       Image: Annon       MARKETING-DEMO       192.168.100.205       25,07/2006 1:49:54 FM         Session Migt       Image: Annon       Image: Annon       Image: Annon       Image: Annon       Image: Annon         Session Migt       Image: Annon       Image: Annon	-	mahesh	MARKETING-DEMO	192.168.100.206	26/07/2006 1:46:40 PM	
With Frage         prodeep         NARRETPRE-DEND         192.158.100.206         26,07/2006 1:47:42.PM           Bit Lation Mgt         With Station Mgt         MARKETPRE-DEND         192.168.100.206         26,07/2006 1:49:00 PM           Bit Lation Mgt         With Station Mgt         MARKETPRE-DEND         192.168.100.206         26,07/2006 1:49:00 PM           Session Mgt         With Station Mgt         NARRETPRE-DEND         192.168.100.206         26,07/2006 1:49:54 PM           Session Mgt         With Station Mgt         NARRETPRE-DEND         192.168.100.206         26,07/2006 1:49:54 PM           Cork         Session Mgt         With Station Mgt         NARRETPRE-DEND         192.168.100.206         26,07/2006 1:49:54 PM           Cork         Session Mgt         With Station Station Mgt         NARRETPRE-DEND         192.168.100.206         26,07/2006 1:49:54 PM           Session Mgt         Vith Station		ADMIN	NWRIETING-DEMO	192.168.100.206	25/07/2006 1:47:08 PM	
Pradleep     MARKETING-DENIO     192.168.000.206     25,07/2006 1:47:42 PM       Bistation Mgt     MARKETING-DENIO     192.168.100.206     25,07/2006 1:48:20 PM       Bistation Mgt     MARKETING-DENIO     192.168.100.206     25,07/2006 1:49:24 PM       Bistation Mgt     MARKETING-DENIO     192.168.100.206     25,07/2006 1:49:24 PM       Session Mgt     MARKETING-DENIO     192.168.100.206     25,07/2006 1:49:54 PM	Order Mat	pradeep	MARKETING-DEMO	192.168.100.206	26/07/2006 1:47:29 PM	
Beckatern Higt     admin     MARKETTING-DEMO     102.108.100.206     25,607,0006.1:49:54 PM       Initial Variable Higt     MARKETTING-DEMO     192.108.100.206     25,607,0006.1:49:54 PM       Session Higt     Image: Administrative state     Image: Administrate state     22,107,0006.1:49:54 PM	1 million 1	pradeep	MARKETING-DEMO	192.168.100.205	26/07/2006 1:47:42 PM	
Dectation *gt     mahesh     MarkETING-DEMO     192.158.000.206     25/07/2006 1:49:54 RM       Inical Variable Mgt     Session Mgt       Value     Value	100	anays		192.168.100.205		11
Lesical Versable Mgt Session Mgt ✓ Jed Login Viewer Conf (HCN Mgt Ses Montgement) Conf (HCN Mgt Ses Montgement) Conf (HCN Mgt Session Athenistrator 2:21 PM	Dictation Mgt					
Session Mgt	and the second second	mahesh	MARKETING-DEMO	192.158.100.206	26/07/2006 1:49:54 PM	
Mgt Session Mgt Vewer ded Login Viewer cont (ref.) http:///www.ref. cont (ref.) http://www.ref. cont (ref.) http://www.ref. c	1					
Session Mgt Viewer Aled Login Viewer Cont (HCS) Mgt Cont (						
Aled Login Viewer Cont / HCS Migt cont / HCS M	Mot					
Aled Login Viewer Conf (HCSNH)	0					
Aled Login Viewer Conf (HCSNH)	-1					
Cand, MCN Might set Mixing emeritik Logged in User: System Administrator 2:21 PM	Session Mgt					
Cand (HCN Migt set Mixing emerid) Logged in User: System Administrator 2:21 PM	1					
Cand / HCN Myt sei Minnagement Logged in User: System Administrator 2:21 PM	N					
Logged in User: System Administrator 2:21 PM	aled Login Views					
Logged in User: System Administrator 2:21 PM		1				
Logged in Liser: System Administrator 2:21 PM	Card/HEN Myt					
				Logged in User: System Adn	inistrator 2:21 PM	
🚺 Start 👘 🗑 🗗 📲 Babor Hersoft 🦉 Dutos SendRece 📳 Presentatorinana 😂 Excitore 🛛 🖌 🖬 🖞 🔍 🖉 🖉 🖉	📲 start	15 🔟 🗗 👘 词 him	- Hernsoft 🐕 Outlook Sengilie	en Desertatorforma.	Geboekee / G	1 1 C C C C 1 1 1 1 1 1 1 1 1 1 1 1 1 1



- Role based access in Managed Clinic Network
- Need based Access



Warne: Google Google       DB: 22/02/1990       Age: 16       EVH CRN:       EH:         Packer Record       Packer Record       Packer Record       Packer Record         Test Packer Record       Packer Record       Packer Record       Packer Record         Conference       Packer Record       Packer Record       Packer Record         Conference       Paywords       Packer Record       Packer Record         Harnes       Packer Record       Packer Record       Packer Record         Conference       Reywords       Packer Record       Packer Record         Harnes       Packer Record       Packer Record       Packer Record         Harnes       Packer Record       Packer Record       Packer Record         Namager       Harper, Backli       Was in Conference       Packer Record         Harnes       Packer Record       Packer Record       Packer Record         Pit Haptoli       Pit Haptoli       Pit Haptoli       Pit Record       Packer Record         Packer Record       No       No       No       Packer Record       Packer Record         Pit Haptoli       Pit Haptoli       Pit Haptoli       Packer Record       Packer Record       Packer Record       Packer Record         Pit Habits Contris Bland </th <th></th> <th>_ #</th>											_ #
Predent Records         Priperts         Priperts <t< th=""><th>S #4</th><th>🔹 🎽</th><th></th><th></th><th>8</th><th>1 🖻</th><th></th><th>11</th><th><b>1</b></th><th></th><th></th></t<>	S #4	🔹 🎽			8	1 🖻		11	<b>1</b>		
ter Teacher Logy  Performance  Performance Perf	Name: Google Go	oogle	DO	22/02/1990	Age: 1	6 GJNH CRN:	10000	CHE:			
Name       Image:	Patient Record	MEN Management									
Conferences       Name*	Reports	0.0000		866	6						6
Name* a   Description   Keywords   Namage**   Harage**   Herper, Babbi   Cathment*     By Haspital   By Haspital<		00000		000	-						6
Conferences     Description     End Razeon       Conferences     Keywords     Harper, Bobbi     Use in Conference       Manager*     Page 72, Testing     Conference       Access Group     VCI       Access Group     VCI       Big Hospital     Big Hospital       Big Hospital     Roles       Conference     No       Conference     No       Conference     No       Add     Bennove       Holds Contral Roard     No       Expend All     Add Berson       Resource Roade     Add Berson       Expend All     Add Berson       Resource Roade     Add Berson       Expend All     Add Berson       Resource Roade     Add Berson	-	Name*	a				Start Da	ate" 17 23	02/2006 · B	nd Date	36/07/2006 -
Keywords       Harper, Bobbi       Use in Conference         Keywords       Lisad Clinklan       22, Testing         Access Group       22, Testing       Access Group         Access Group       20       2         Bij Hospital       Bij Hospital       Bij Hospital         Bij Hospital       Bij Hospital       Diserver         Habdis Contral Board       Monagement       Eggend All         Key Management       Liggend All       Add Berson       Rescore         Liggend Niter: System Advisestrator       223 PM	the second s	Description					Ded De	Contraction of the local data	and the second		_
Contensace Template       Manager*       Harper, Bobbi       Vise in Conference         Lead Clinkian*       GP2, Testing       Image: Vise in Conference         Lead Clinkian*       GP2, Testing       Image: Vise in Conference         By Hospital       By Hospital       Image: Visible Staff Name       Tel Ne.         By Hospital       By Hospital       Image: Visible Staff Name       Tel Ne.         Addit       Demotor       No       Image: Visible Staff Name       Tel Ne.         H+Abddy Central Board       Image: Visible Staff Name       Tel Ne.       E-Mail       Start Date       Ende Date       Conf User         No       Image: Visible Staff Name       Tel Ne.       E-Mail       Start Date       Ende Date       Conf User         No       Image: Visible Staff Name       Tel Ne.       E-Mail       Start Date       Ende Date       Conf User         H+Abddy Central Board       Fegeend All       Andd Role       Remove Role       Add Demon       Remove Pargon       Assoc. Pathents       Removes         Net Management       Loged In User: System Administrator       Image: System Administrator       Image: System Administrator       Image: System Administrator       Image: System Administrator	Conferences	748	-				End Rea	seon 1			<u></u>
Templake     Manager     Parper, social     Image Point Social       Isad Clinician*     GP2, Testing       Access Group*     Point       By Hospital     By Hospital       By Hospital     Roles       Role Name     Visible Staff Name       Tel. No.     E-Mail       Start Date     End Date       Contract     No       Addi     Remove       H+Abids Central Board       Egpend All     Add Role       Remove Role     Add Demson       Egpend All     Add Role       Remove Role     Add Demson       Remove Role     Add Demson	21 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	Keywords									
Access Group Mon Catchment * By Hospital By Hospital By Hospital By Hospital Board Add Central Board H-Abds Central Board Eggenni All Add Role Remove Role Add Derson Pergon Assoc. Patients Resolution Logged In User System Administrator 223 PM	Conference Template	Managor*	Harpo	er, Babbi		Use in Conference					
Mich Higt       Catchment *         By Hospital       By Hospital         By Health Board       Role Name         Add:       Remove         H+Abids Central Board       No         Expand All       Add Role         Remove H+Abids Central Board       Expand All         Expand All       Add Role         Remove Health Board       Expand All         Role Name       No         Start Date       End Date         Conf User       No         Expand All       Add Role         Remove Role       Add Person         Persone Person       Assoc. Pathenist         Start Date       Index Remove Role         Logget In User: System Administrator       223 PM	1	Lead Clinician*	GP2,	Testing							
Catchment*       By Huspital         By Huspital       By Huspital         By Huspital       By Huspital         Add       Beenowe         H-Add & General Board       No         H-Add & Contral Board       No         Eggend All       Add Role       Remove Role       Add Derson       Remove Pargon       Assoc. Pathenis       Reassign	MEN MAR	Access Group	MCN.		1						
By Hospital       By Hospital       Board       No.       E-Mail       Start Date       End Date       Confl User         Add       Remove       No       Image: Start Date       End Date       Confl User         H-Abde Central Board       No       Image: Start Date       End Date       Confl User         H-Abde Central Board       No       Image: Start Date       End Date       Confl User         H-Abde Central Board       No       Image: Start Date       End Date       Confl User         Eggend All       Add Role       Remove Role       Add Person       Remove Person       Atsoc. Patients         Ver Management       Image: Start Date       Logged in User: System Administrator       2/23 PM	0.0211126	Catchment*									
Bit Hash Board     Hote Name     Tel. No.     E-Mail     Start Date     End Date     Control User       Adul     Remove     No     Image: No     I		C. De Married	Re	des					· ·		
Add Bernove H-Abds Central Board Egpend All Add Role Remove Role Add Person Resource Pargon Assoc. Patients Pressing Ser Management Logged in User System Administrator 223 PM		<ul> <li>Iterations and the second secon</li></ul>				Staff Name	Tel. No.	E-Mail	Start Date	End Date	Conf User
Ner Management		Contraction of Contraction		Observer			-	-	-	_	
Ver Malagement  Eggend All Add Role Remove Role Add Person Person Assoc. Publicity Reasons Logged in User System Administrator. 223 PM		and the second se		100 C	100					<u> </u>	
Logged in User: System Administrator 2:23 PM		H-Abids Central Board	-								
Logged in User: System Administrator 2:23 PM											
Logged in User: System Administrator 2:23 PM											
Logged in User: System Administrator 2:23 PM											
Logged in User: System Administrator 2:23 PM											
Logged in User: System Administrator 2:23 PM											
Logged in User: System Administrator 2:23 PM											
Logged in User: System Administrator 2:23 PM											
				Espend All	dd Rgie	Remove Role Ad	I Person ]	tenuçive Per	2011 [Assoc.	Pattersts	Pression
				Egpend All	dd Roje				200 Assot	Patients	Ression





## Conclusion

You can protect the confidentiality and safety
of patient data in the Electronic Environment
 The administration will need to evolve a policy on
the access control management, data back up
management & Contingency Plan
 Systems and controls need to be built for an effective

plan to protect the data of the patient and meet the

regulatory needs in the electronic platform





# Thank You