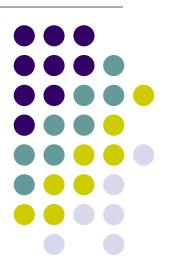
Advanced Integrated Hospital e-Registration Solution



4/13/2015

Citizen is King / Service is Queen





Excellent Hospital Registration Service

- Citizens
- Doctors/Nurses
- Government/Hospital Executives
- Hospital Staff







Successful e-Registration System Implementation

- 5 Hospitals in Vysocina Region, Czech Republic

Proven solution in Czech Republic and Asia

■ Czech Republic successful e-Registration system implementation and operation service in Vysocina Regional Hospital with "2011 Best e-Government Service" prize awarded in Nov. 2011

(1) 2010 – 2011 System creation

(1) 2011/06: Jihlava Hospital system operation started

(2) 2012/02: Pelhrimov Hospital, system operation started

(3) 2012/06: Trebic, Nove Mesto na Morave and Havlickuv Brod Hospital, system

operation started

(4) 2014/12: Integrate with local GP system operation started

(5) 2015: Integration with mojeID







More than 30 hospitals implemented with e-registration system in Taiwan and Asia.
 www.eambulance.cz



A. Solution Benefits

A.1 Citizens

A.1.1 Make appointment any time, places, devices

A.1.2 Know doctor expertise, schedule and hospital news easily

A.1.3 Reminding appointment

A.1.4 No more long waiting for diagnosis or treatment

A.1.5 Make appointment to multiple city hospitals

A.1.6 Referring from Clinic/GP system

A.2 Doctors/nurses

A.2.1 Know up-to-date patient appointment list and symptoms

A.2.2 Flexible setting session maximum registration no

A.2.3 Make patient next appointment to any of hospitals

A.2.4 Know patient visiting pattern by gender, age,..

A.2.5 Know attended, canceled, no show patient no

A.3 Gov. / hosp. executives

A.3.1 Offer versatile appointment services to citizens

A.3.2 Know patient visiting pattern by age, gender, area, profession .etc..

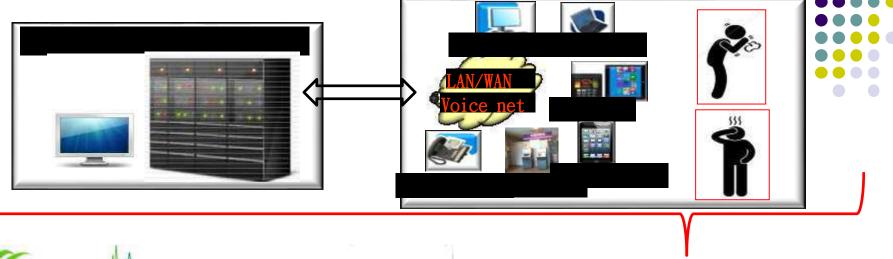
A.3.3 Know patient service loading(number) by hospital, unit, doctor, time interval, etc.

A.4 Hospital counter staff

A.4.1 No need to re-type patient demographic data, etc.

A.4.2 No need to generate patient visiting statistic report manually

A.1.1 Benefits: Citizens





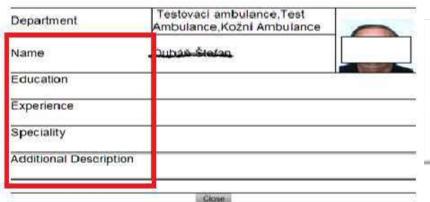
Make appointment

- any time
- any places
- any devices



A.1.2 Benefits: Citizens





Know:

- **◆** Doctor expertise,
- **◆** Doctor schedules
- **♦** Hospital News



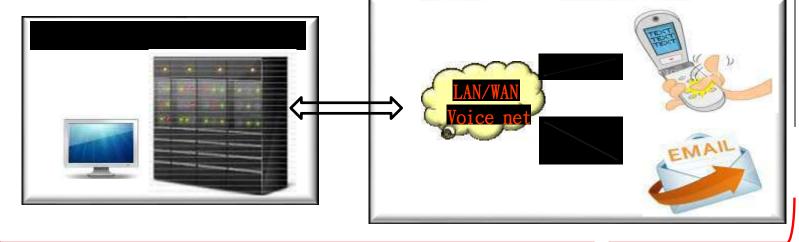
Make appointment to right:

- **♦** Doctor
- **♦** Schedule





A.1.3 Benefits: Citizens





Your Appointment Information :

- 1. Appointment Date/Session: 27.03.2013(Wednesday)15:00 16:00
- 2. Ambulance: Test Ambulance
- 3. Physician: Dubáň Štefan
- 4. Sequence: 1
- 5. Max.No.: 11

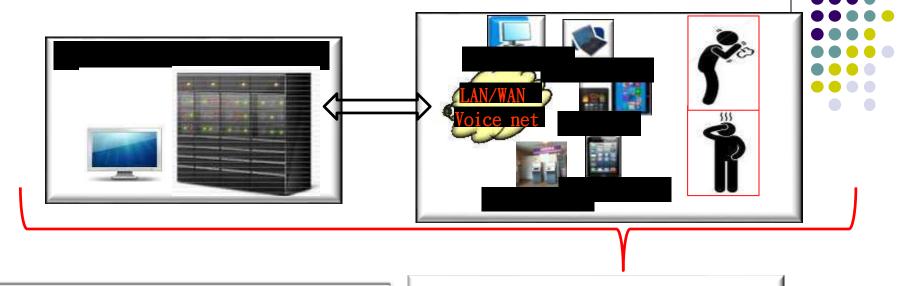
Remind appointment

by:

- **♦** Text
- e-mail

Never forget the appointments

A.1.4 Benefits: Citizens

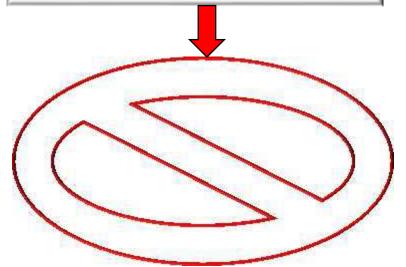




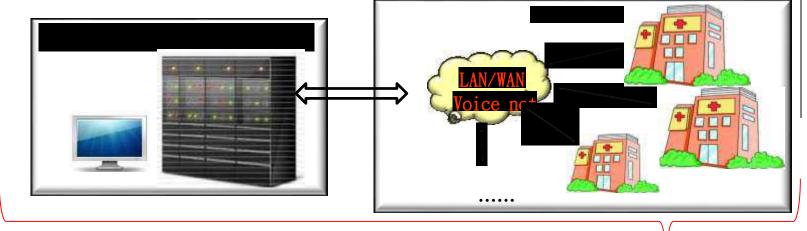
- 1. Appointment Date/Session: 27.03.2013(Wednesday)15:00 16:00
- 2. Ambulance, Test Ambulance
- 3. Physician: Dubáň Štefan
- 4. Sequence: 1
- 5. Max.No.: 11

No more long waiting:

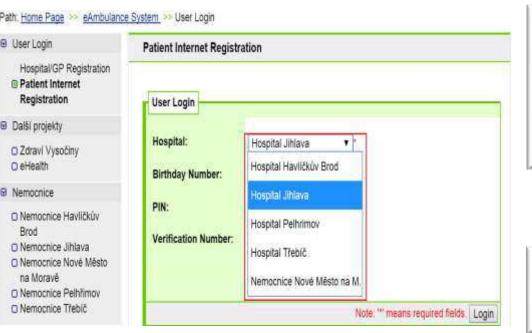
♦ Know the visiting time



A.1.5 Benefits: Citizens







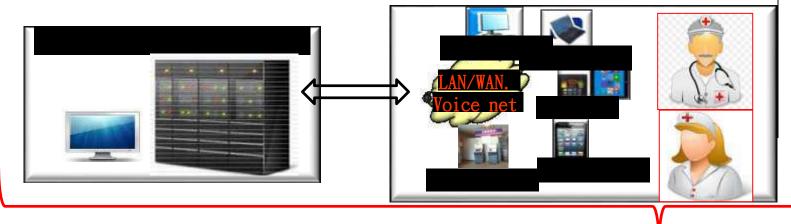
Make appointment to multiple city hospitals

- **♦** Hospital Jihlava
- ♦ Hospital Pelhrimov
- **•** ...



Easy and friendly to access and use

A.2.1 Benefits: Doctors / Nurses



Ambulance					▼ Phys	sician ID	Bato	ušek Bronish	IV.	
Appointmen	t Date	28.01.2015			Sess	sion				
ent Date	Session	Name	Patient Notice	Attended	Cancel	Next Appointment	Sequence	Birthday Number	Gender	Vital
Wednesday	08:30 - 9:00	Novák Josef		R	Cancel	3	1	5507141805		13
Wednesday	08:30 - 9:00	Musil Milan		Þ	Cancel	D*	2	9303194736	M	O.
Vednesday	09:00 - 10:00	Zadražilová Ludmila		P	Cancel	Dr.	1	405105048	F	D)
Wednesday	09:00 - 10:00	Křížová Bohumila		HE .	Cancel	□	2	535516208	F	G).
Vednesday	09:00 - 10:00	Kabátek Josef		P	Cancel	Dr.	3	5503082640	м	3
Wednesday		Hejsková Stanislava		-	Registration cancelling completed	Dr .	3	6357251890	F	G.
Wednesday	09:00 - 10:00	Konifová Miroslava		P	Cancel	GY.	4	6159271668	F	Eà.
Vednesday	10:00 +	Neckař Miloš		FF.	Cancel		1	410108458	M	Ch.

Birthday Number	Date	Time	I'm sick!		Subject	
8607070007	20100812	0436	Temperature	Heartbeat	Diastolic Blood Pressure	Systolic Blood Pressure
			39.9 I'm not good	99	99	129
8507070007	20100726	0329		Heartheat	Diastolic Blood Pressure	
			Temperature 40	the facility of the stage of the stage of		Systolic Blood Pressure
			375%	100	60	133
8607070007	20100726	0324	Temperature	Heartbeat	Diastolic Blood Pressure	Systolic Blood Pressure
			38.7	85	88	127
8607070007	20100726	0323				
VANCOUS WAS COMPANY OF THE PARTY OF THE PART			Temperature	Heartheat	Diastolic Blood Pressure	Systolic Blood Pressure
			37	77	78	110

Clinic Room->Vital Sign Inquiry

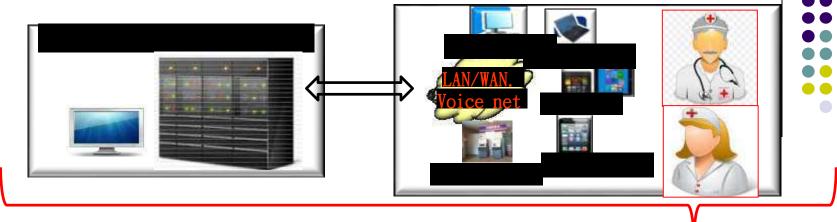
Know up-to-date patient

- **♦** Appointment list
- **♦** Symptoms(Physiology in formation)



- **◆** Dynamically arrange schedule conflict
- Preparation for treatment

A.2.2-3 Benefits: Doctors / Nurses





Codni ambutance - MUCir Duban

cozni ambulance - MUDr. Dubah

Kožní ambulance - MUDr. Dubáh

10:00 - 11:00

10:00 - 11:00

10:00 - 11:00

1.03.2015 (Wednesday)

8.03.2015 (Wednesday)

5.03.2015 (Wednesday)

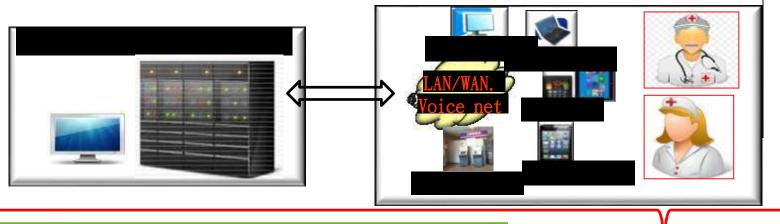
- **♦** Flexible setting session maximum registration no.
- **◆** Make patient next appointment to any hospitals
- **♦** Balancing doctor workloads
- Better patient service quality

0.00%

25,00%

0.00%

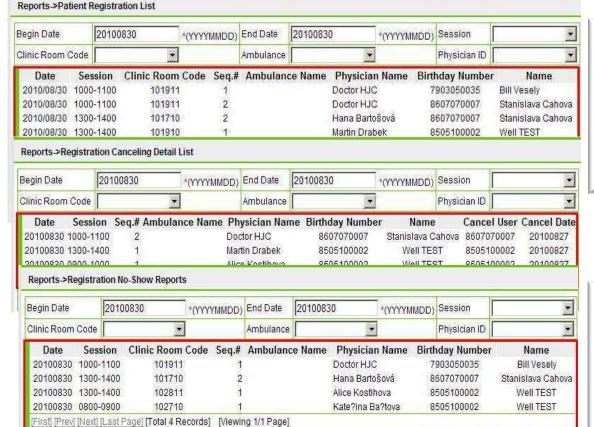
A.2.5 Benefits: Doctors / Nurses



Print

Inquiry

Clean Screen



Know patient number of:

- **♦** Attended
- **♦** Cancelled
- **♦** No show



♦ Better patient service by effective data analysis

A.3.1-3 Benefits: City Gov. / Hospital Executives



Reports->Regi	istratio	n Statistic Rep	oort by Physician						
Begin Date 20100830 Session		*(YYYYMMDD)		End Date	20100830		*(YYYYMMDD)		
		▼							
Physician I	Name	Session	No of Registration	No. of Reg Cance		No of Care Completed	550000000	Care Non- npleted	No of No Show
Doctor HJC		1000-1100	2	1		0		2	1
Hana Barto?ova		1300-1400	1	0		0	4		251
Kate?ina Ba?tova		0800-0900	1	0		0	1		1
Martin Drabek		1300-1400	1	1		0	1		1 0
Alice Kostihova		1300-1400	1	0		0	1		1 0
Álice Kostihova		0900-1000	1	1		0		1	0
[First] [Prev] [N	lext] [La	ist Page] [Tota	6 Records] [View	/ing 1/1 Page]					
							Inquiry	Print	Clean Screen
	J.	- 1				1			
Ambular Name		Shift	No of Registration		egistration celing	No of Comple	700000		Care Non- pleted

				le	nquiry Print	Clean Screen
Area	Session	No of Registration	No. of Registration Canceling	No of Care Completed	No of Care Non- completed	No of No Show
Praha 104	1000-1100	1	0	0	1	1
Praha 105	1000-1100	1	1	0	1	0
Praha 105	1300-1400	1	0	0	1	1
Praha 112	1300-1400	2	1	0	2	1
Praha 112	0900-1000	1	1	0	1	0
Praha 112	0800-0900	1	0	0	1	1

Home Medicine

1400

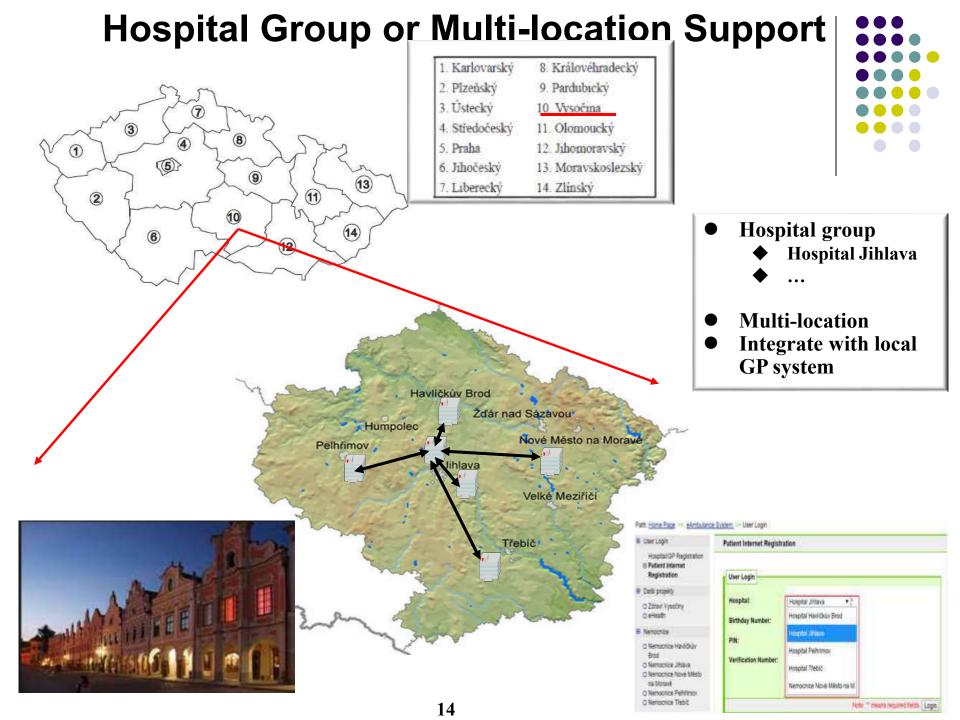
st] [Prev] [Next] [Last Page] [Total 1 Records] [Viewing 1/1 Page]

- **♦** Offer versatile appointment services to citizens
- **♦** Know patient service loading(number) by hospital, unit, doctor, time interval, etc.
- **♦** Know patient visiting pattern by age, gender, area, profession ,etc.

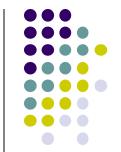


- **♦** Improve citizen services level
- **◆** Make appropriate medical service policy

12



Solution Description Key Hardware Component Specifications



A. Application Server

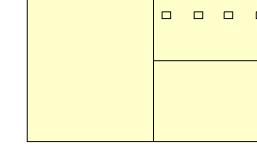
. CPU 2.00 GHz * 2 or up

. MM: 4GB or up

. HDD: 500GB (Raid 5) or up

. MS windows server 2008 or up

. MS Sol server 2008 or up



B. Web Client (can support to run browser)

. CPU: 1.0 GHz or up

. MM: 1GB or up

. HDD: 120GB

. MS windows 7 or up



Note: Above specifications are for reference and are subject to change based on the actual transactions required.



Implementation Approach Implementation Strategy

- Adapt a proven solution
 - Appropriate size of hospital
 - Support hospital group or multi location hospital



Phased implementation		
Phase #	Proposed Installed Systems/Hospitals	Remarks
Phase I (6 months)	One hospital as pilot	
Phase II (3 months for each additional hospital)	Expand to more hospitals	
Phase III (3 months for each GP system)	Integrate with local GP	
Phase IV (6 months for each system)	 On line patient reports accessing system On line patient medications accessing system 	 Sharing patient reports & medications Infor. Saving citizen time

Client Support Suggested

- (1) Preparation of all ICT platform required for system installation and maintenance.
 - A. All ICT system platform (e.g.: Server, client PC, Router, hub, Windows, DBMS, etc.)
 - B. Remote maintenance facilities, including PC hardware and software, Team Viewer(remote supporting), and network authorization.
 - C. All ICT platform installation, configuration and operation.
- (2) Assigning Hospital Project Team.
- (3) Preparation and verification of the basic data (eg: hospital data, ambulance(clinic) data, physician data, appointment schedule, etc.) required for system implementation.
- (4) Assisting system testing.
- (5) Conducting system acceptance when the system is successfully implemented.

Contacts

Ben J.B. Wu

Director of Economic Division

Taipei Economic and Cultural Office, Prague Czech Republic

+420-233 326 908

ben.wu@teco.cz

Cynthia (Sing-Chi) Chow

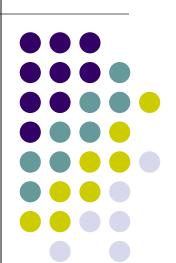
CyberTrust Technology Institute

Institute for Information Industry (III)

Taipei, Taiwan

hgchou@iii.org.tw





Thank you for your attention....