# The Role of HIS in Improving Patient's Care PMRS Experience

#### Chronic Diseases Center Model



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#### Chronic diseases

Diseases that usually do not improve with time.

They can cause premature death, decrease the quality of life of those who have them, and have a negative economic impact on their families and on society as a whole.

CVD, Hypertension, Type II Diabetes Mellitus and Dyslipidemia

#### Environmental factors that reduce physical activity and

promote overeating









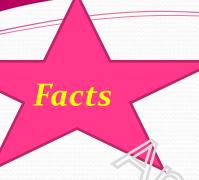
#### What are the major Non-Communicable diseases?

	Tobacco use	Unhealthy diets	Physical inactivity	Harmful use of alcohol
Heart disease and stroke		✓	✓	<b>✓</b>
Diabetes		<b>/</b>	✓	✓
Cancer	<b>√</b>		✓	<b>✓</b>
Chronic lung disease	✓			



#### CVD's: major health challenge of the 21st century

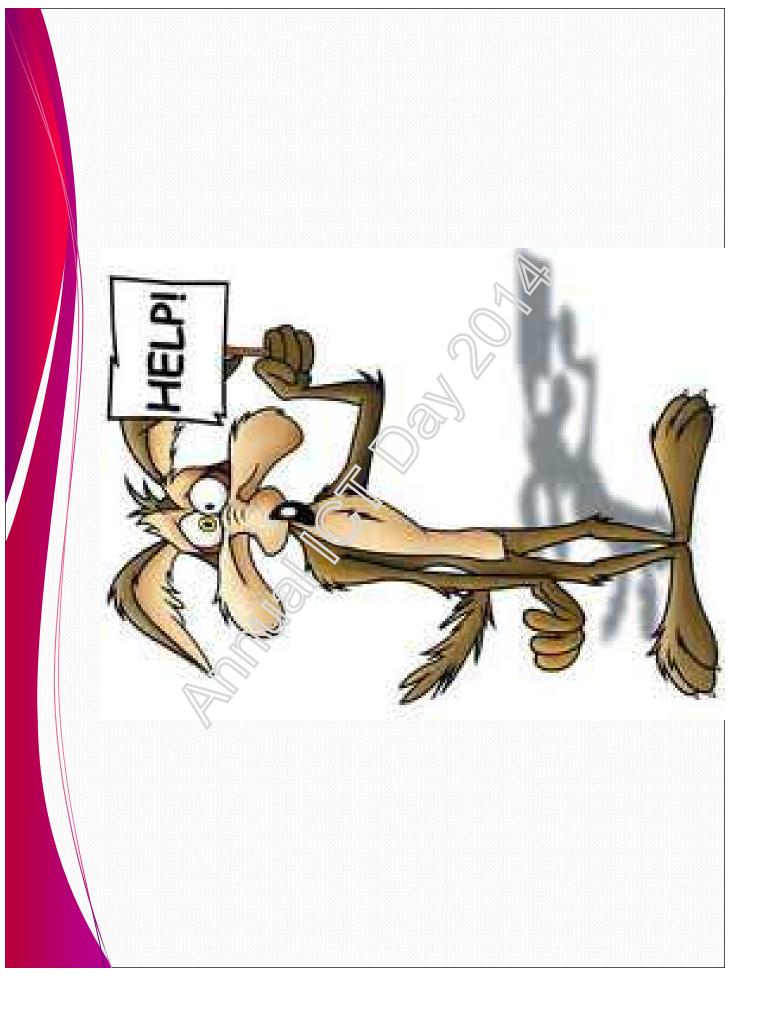
Of the estimated 57 million global deaths in 2008, 63% were due to Non-Communicable Diseases



# The rapidly increasing burden is in developing countries

- 80 % of MCD deaths occur in low- and middle-income countries EMR, SEAR &AFR
- 29% among people < age of 60 compared to 13% in high income countries

NCD epidemic is projected kill 52 million people annually by 2030



### كبِف نحمي أنفسنا من أمراض القلب والشرابين والسكري



بالتعاون مع مركز الإغاثة الطبية التخصصي لأمراض القلب والشرايين والسكري

Medical Relief Cardiovascular Diseases Center

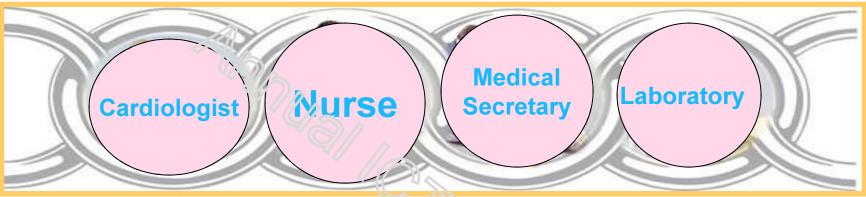
# Slogan



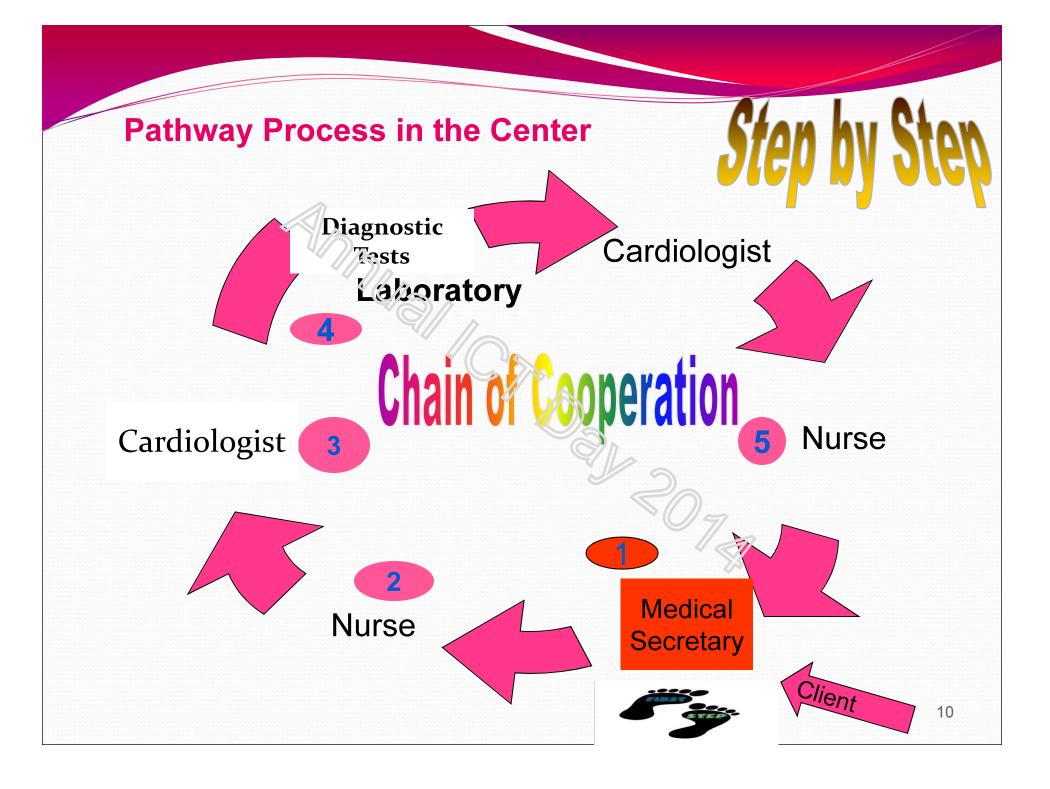
Started July / 2001

Towards reducing the burden of the Cardiovascular Diseases and the NCD's in Palestine

## Chain of Cooperation



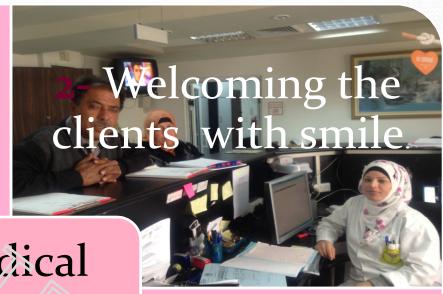




#### **Computerized Medical System**

#### 1- Doing appointments

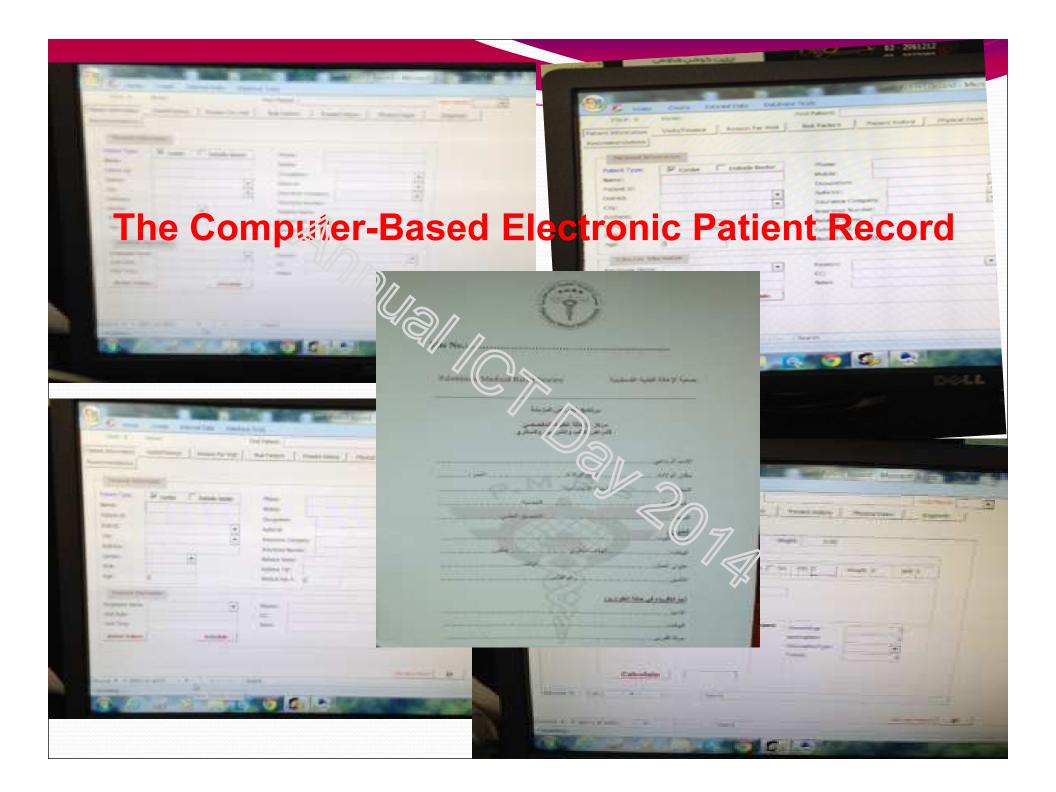
calling and reminding the clients by phone the previous day for their appt. from the *Electronic Medical*\*\*Records\*\*

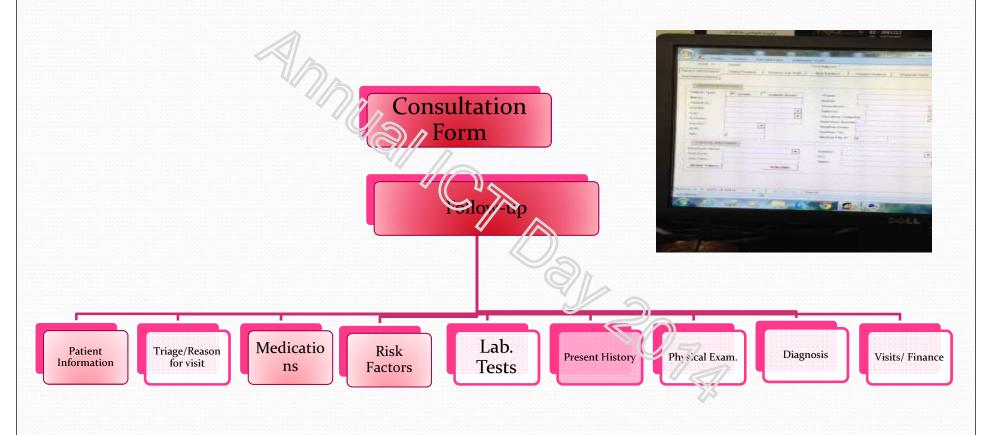


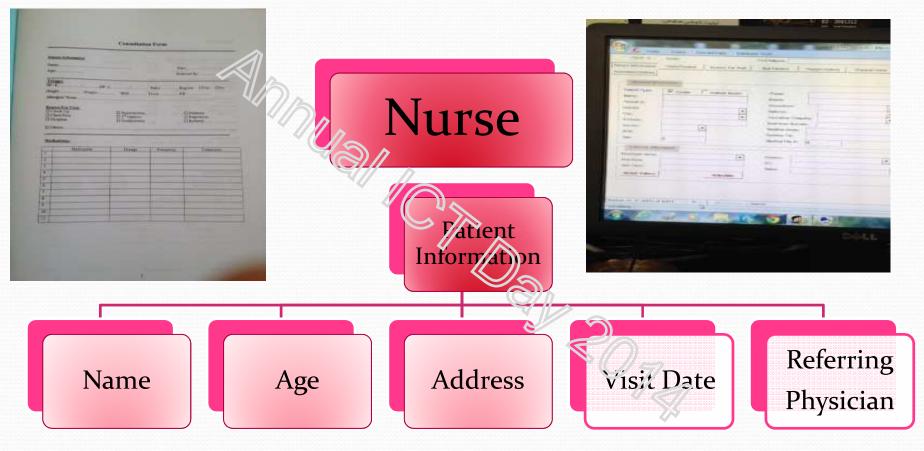
Medical Secretary

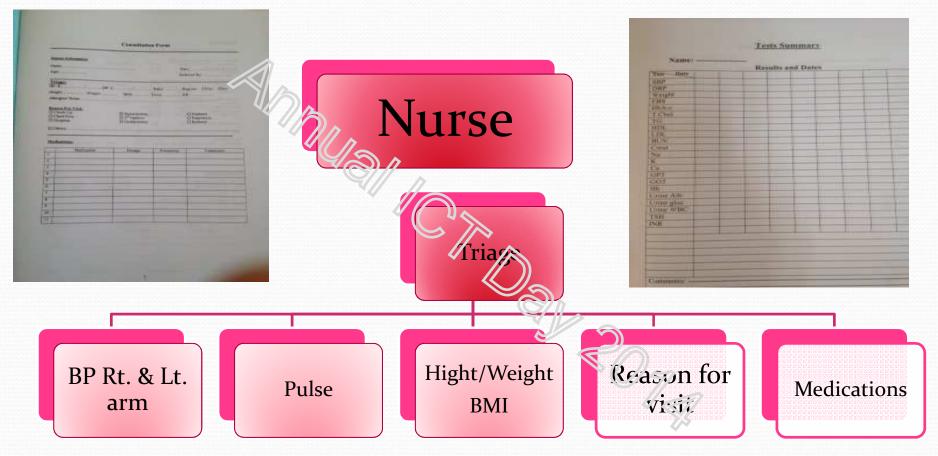
3- Entering the data to the Clinical Information System

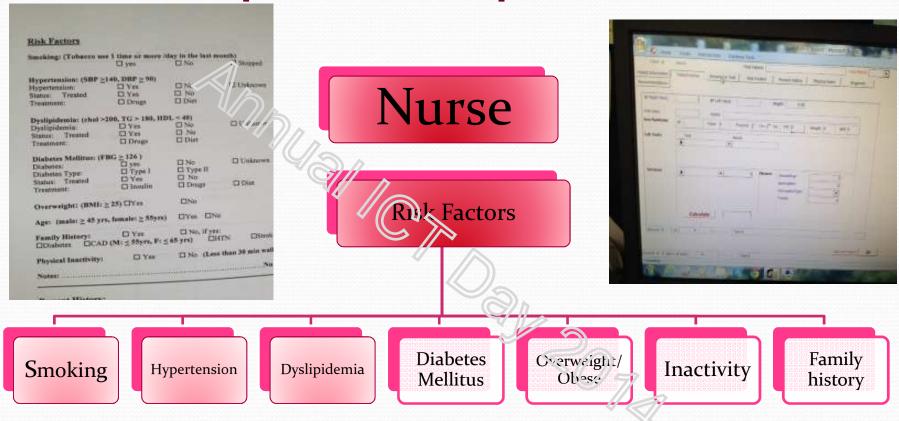
4- Arranging appointments for the next visit

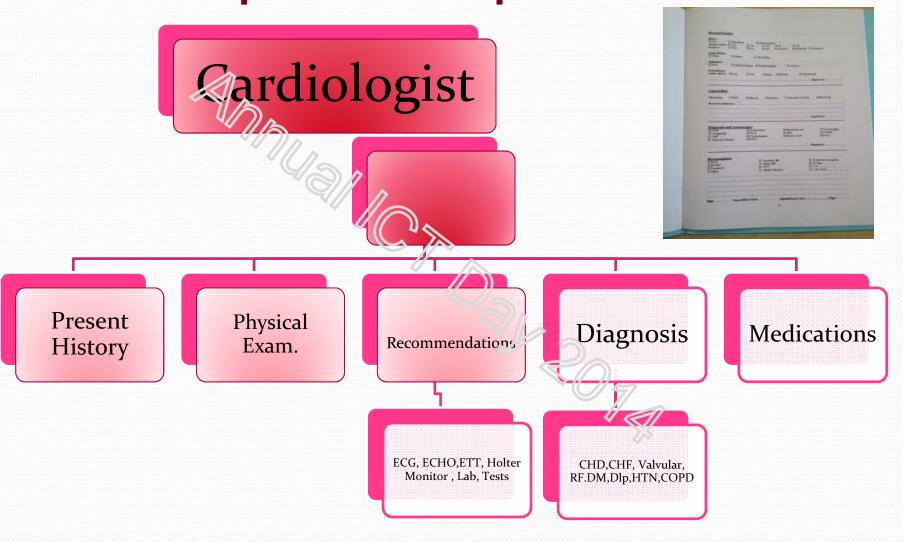






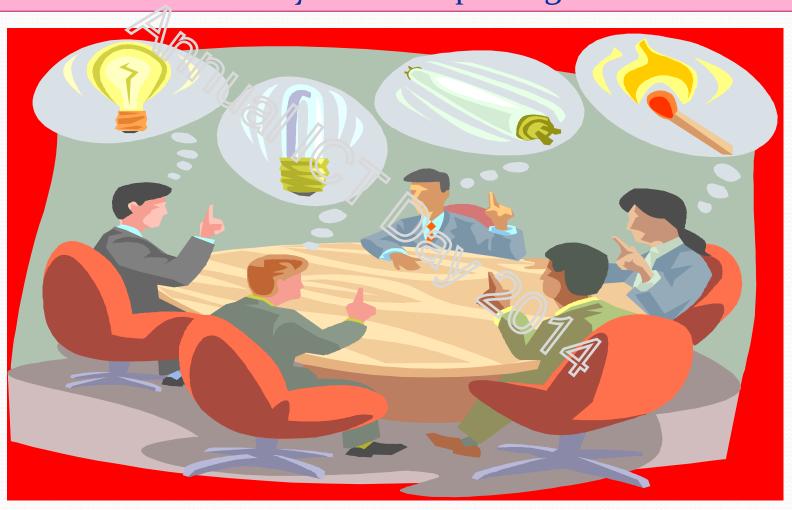






## The computer-based patient record Nurse Medical Secretary Health **Next Office Visit** Finance Education Laboratory Medications and **Tests** Doses

The Role of :
Health Information System in improving Patient's Care?



## Health Information System

Input
Health
Data

Retrieved and processed





Decision making

## Health Information System The Computer-Based Electronic Patient Record

- Making health research available
- Doing relevant health research
- Publishing research

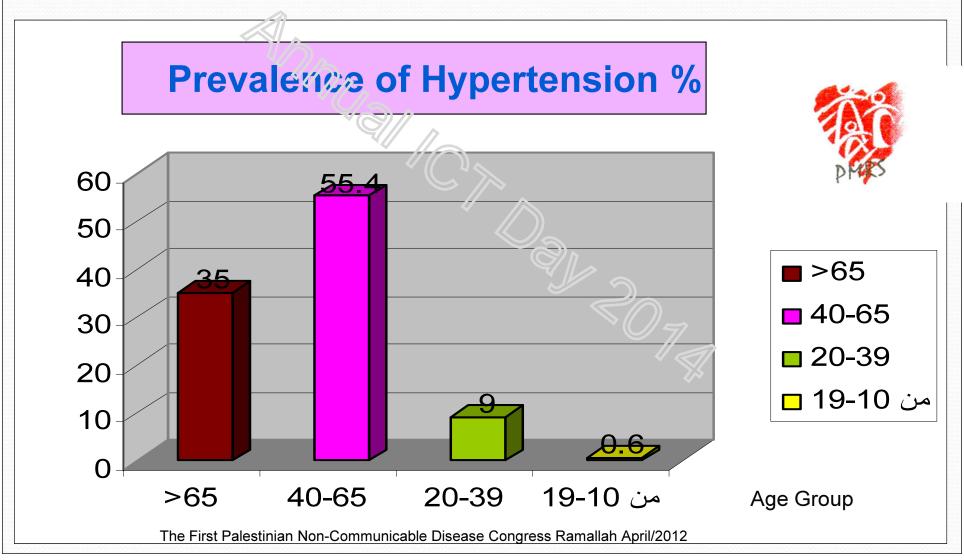


## The Computer-Based Electronic Patient Record Prevalence of Risk Factors

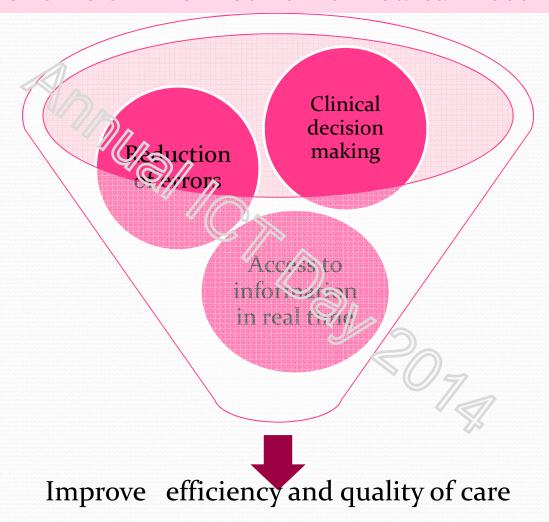
Risk Factors	Prevalence%
Overweight (BNI) 25 and < 30)	<b>71</b>
Obesity (BMI≥30)	43
Hypertension (BP ≥ 140/90 mmHg of use of anti-HTN medication)	31
Diabetes Mellitus (FBS > 126 mg/dl)	12
IFG Glucose level (FBS 111 to 125 mg/dl)	<b>E</b>
Dyslipidemia (TC>200 and/or TG>200 and/or HDL<40 mg/dl)	43

The First Palestinian Non-Communicable Disease Congress Ramallah April/2012

# The Computer-Based Electronic Patient Record Prevalence of Risk Factors Prevalence of Hypertension / Age Group



#### The Benefits of The Electronic Medical Records



Improving health outcome

# Target Goal



Reducing the Risk Factors

Healthy Lifestyle

Improving The Health Outcomes

## But .. Don't forget the patient



