



HOME MEDICAL CARE

CURRENT SITUATION & FUTURE DIRECTION

الطب المنزلي الوراق و الامؤل



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Ministry of Health
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He Wants To Go Home

Mr. Ahmed 67 known DM , HTN with severe congestive heart failure for 10 years ago . Suddenly he developed sharp decline in his heart ejection fraction admitted it was decided that the situation is very advanced ..

There is no possibility of cure



She Wants To Go Home

- Ms. Salha suffered a stroke & hemiplegia on the left side received hospitalization. She has a complicated medical history (DM, CAD, 2 coronary stents placed, HTN, Dyslipidemia , Schizophrenia, Major depressive disorder, Neuropathic pain, COPD)
- She takes over nine medications.
- Despite the stability of the situation still needing **long term nursing help , medication management & physiotherapy**



OUTLINE

- **Why HMC is needed?**
- **Definition of HMC**
- **Goals & Objectives**
- **Procedures & treatments**
- **Types of Staff providing care**
- **Statistics in 2014**
- **How to measure outcomes of HHC ?**
- **New steps in HMC**
- **Next Steps**



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WHY HHC IS NEEDED?

➤ Demographical Changes

- More Elderly Population
- Diseases that occur more often in elderly patients increase concomitantly as the population ages
- Growing elderly population: aged over 65 projected to increase to **12%** in 2030 according to WHO



Need More Home Health care

WHY HHC IS NEEDED?

➤ Epidemiological Changes:

- Less Acute/Infectious Diseases
- More Chronic Diseases
- Medical advances allow better management of chronic and incurable diseases.
- 30% of Disabled Need HHC

Need More Home Health care





WHY HHC IS NEEDED?

➤ **Cost Effectiveness :**

- Growing Demand for Higher Quality Life
- More widespread availability of high-technology services has resulted in increased hospital cost
- Earlier discharge of hospitalized patients, reducing the length of hospital stays & Need to free occupied beds

Need More Home Health care

WHY HHC IS NEEDED?

- Patients Choose to Receive Care in Home



Need More Home Health care

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WHAT DO WE MEAN BY “HOME HEALTH CARE”?

Component of a **continuum comprehensive** health care whereby health services are provided to individuals & families in their *places of residence* for the purpose of **promoting, maintaining or restoring health**, or maximizing the level of **independence**, while *minimizing* the effects of **disability and illness**.

Geoffrey Leavenworth. high-quality care with the comforts of home - home health care - special edition:
The State of Health Care in America 1995. Business & Health 1995 Available from: URL:
findarticles.com

WHAT DO WE MEAN BY “HOME HEALTH CARE”?

- **Any Therapeutic, Diagnostic or Social support service provided in at an individual’s Home**

Sharon etal. Home Care . JAMA 2003;290:1203-7



Home Health Care

HHC Improve Health Care

Is Their Any Evidence ?





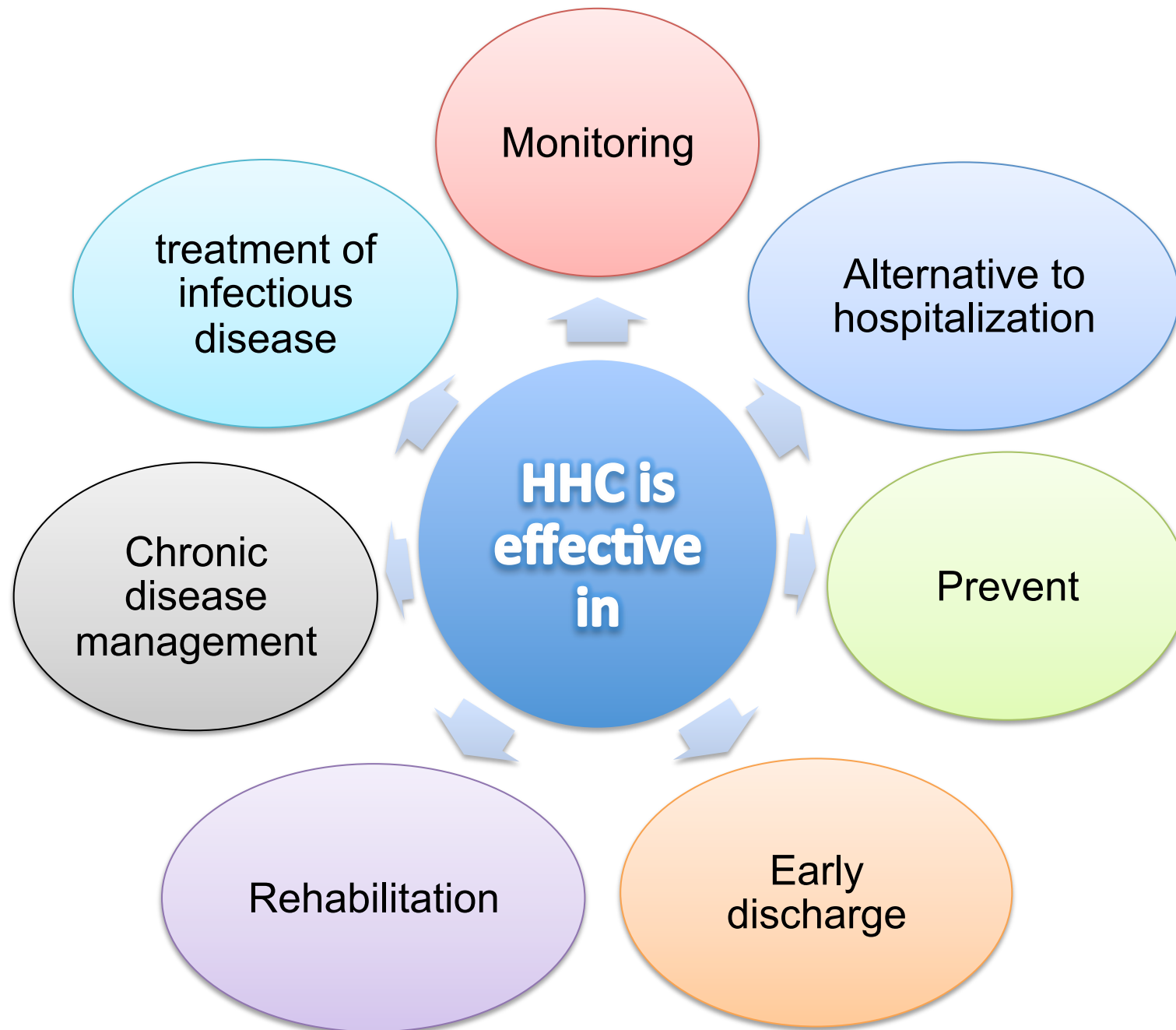
Home Health Care Lead To Improve Medical Care

Clinical out come majors:

- Studies suggest that home visits can lead to improved medical care through the **discovery of unmet health care needs.**
- One study found that home assessment of elderly patients with relatively good health status and function resulted in the **detection of an average of four new medical problems and up to eight new intervention recommendations per patient.**
- Study showed that use of the specialist home care nurses **lead to 65% reduction in hospitalization of patients .**

Smigelski CW, Hungate B, Boling PA. Transitional model of care: Bridging inpatient to outpatient care [abstract P518]. J Am Geriatr Soc 2004;52:4(suppl):S194.

Susan Louisa Montauk. Home Health Care. American Academy of Family Physicians 1998 Nov 1;58(7).



Wolter JM, Cagney RA, McCormack JG. A randomized trial of home vs hospital intravenous antibiotic therapy in adults with infectious diseases. J Infect. 2004;48:263-268.

Aeshah Alsagheir . 2016



Home Health Care Lead To Improve Medical Care

Cost Effectiveness :

- An Economic Evaluation of Home Care Results From RCT showed that Using home care to reduce hospital stays improved the health outcomes without significantly increasing social costs.
- European study showed that HHC lead to 38% decrease in cost
- Dr. Al-Dahi study in 2007 showed 65% ↓ in secondary care & 56% in long stay rehabilitation care cost by using HHC.

Dougherty, Geoffrey E. MD, MSc, FRCP(C) *; Soderstrom, Lee PhD +; Schiffrin, Alicia MD. Medical Care. 36(4): 586-598, April 1998.

Hernandez C, Casas A, Escarrabill J, et al. Home hospitalisation of exacerbated chronic obstructive pulmonary disease patients. Eur Respir J 2003;21(1):58-67.



WHAT IS NEW IN OUR HEALTH CARE SYSTEM?



الطب المنزلي
Home Medical
Care

HOME HEALTH CARE

OR

HOME MEDICAL CARE

IN

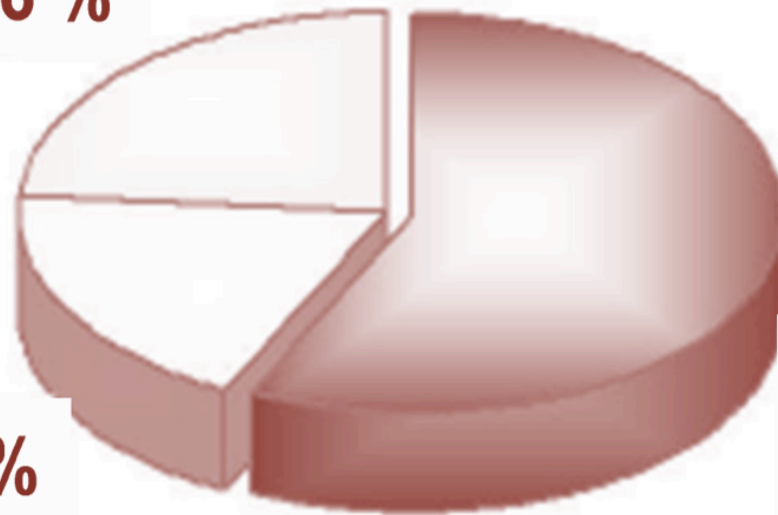
**COMPREHENSIVE & INTEGRATED STRATEGY
OF THE MINISTRY OF HEALTH**

SAUDI ARABIA HOME MEDICAL CARE

HEALTH CARE PROVIDERS

Private 23.6 %

Others 19.1%



MOH
57.3 %



Provide HMC services for **all regions & provinces** in SA according to the international quality standards

أن تغطي خدمات الطب المنزلي جميع المناطق والمحافظات الصحية بالمملكة العربية السعودية طبقاً لمعايير الجودة العالمية



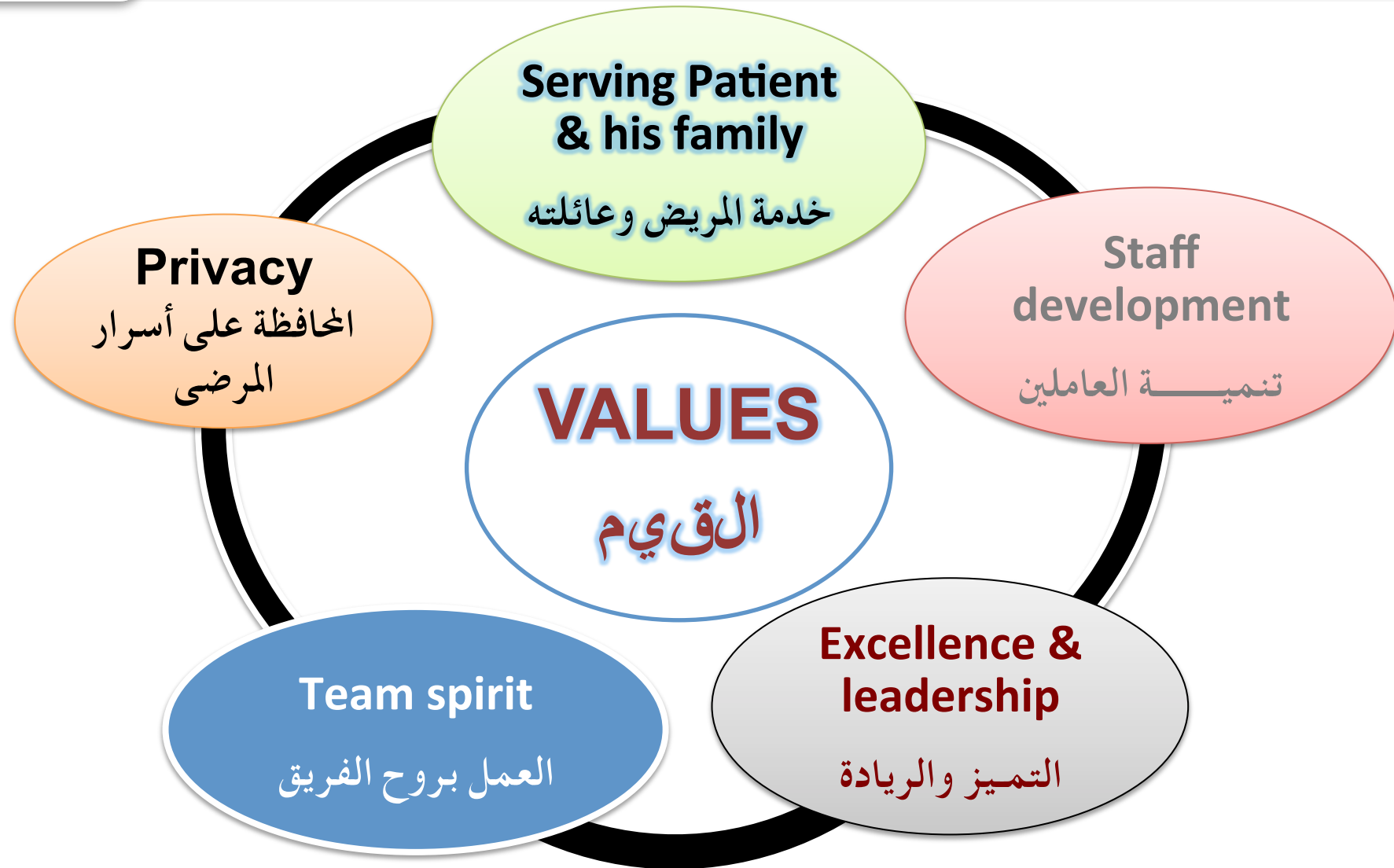


Provide the best types of **constant & comprehensive** health care for the patient at his home, within the **framework of Islamic values & traditions of the society** using the **latest technologies**

تقديم أجود أنواع الرعاية الصحية الشاملة والمستمرة للمريض في داخل مسكنه في إطار القيم الإسلامية والأعراف والتقاليد و باستخدام أحدث التقنيات



HOME MEDICAL CARE





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GOALS AND OBJECTIVES

- Enhance patient's quality of life
- ↓the need for unnecessary & prolonged hospitalization
- Prevent readmission to the hospital & ER visits
- Support patient to be more independent at home
- Provide equipment & consumables to patient & family



GOALS AND OBJECTIVES

- Promote healthy lifestyle & provide health education to patients & families
- Ensure safety while taking medication at home
- Improve patient compliance to their medications
- Check appropriateness of chronic medications



STEPS TO HOME MEDICAL CARE

Referral

- From the Primary physician in the hospital

Assessment team

- Patient Assessment before discharge
- Assessment of patient home environment

Acceptance

- Providing patient with needed equipment
- Training the care giver

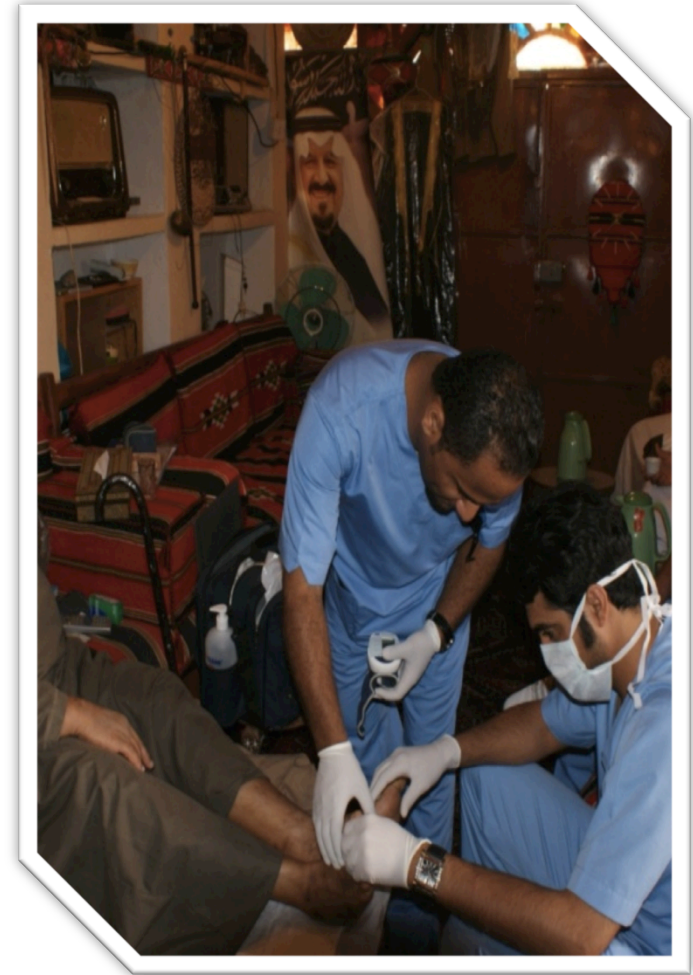
Care Plan

- Patient care plan
- Schedule 1st visit

HMC Services started from hospitals

Criteria for acceptance

1. Referral from the physician in the hospital
2. Coverage area 50 km
3. Stable medical condition
4. Approval of home owner
5. Appropriate home environment
6. Capable care giver



Home Health Care

Referral

Pt. should be referred 72 hr' s before discharged from the hospital



MADINA HOME HEALTH CARE



HEALTH CARD NO:
NAME : _____
AGE YRS MONTH
NATIONALITY : _____
CONSULTANT IN CHARGE : _____

REFERAL FORM

Date of Referral : _____
PCN (pt care no. If known) _____
1st Referral Re-referral Ward _____ / Clinic _____ / ED PHCC _____

PLEASE COMPLETE ALL SECTIONS OF THE FORM CONCLSELY AND CLEARLY
This section to be completed by the Physician

Medical History : (include diagnosis and prognosis)

<u>Current Active Problems :</u>	<u>Stable Chornic Problem</u>
_____	_____
_____	_____
_____	_____
_____	_____

DIAGNOSIS DISCUSSED		PROGNOSIS DISCUSSED	
With Patient :	With Family :	With Patient :	With Family :
<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

CONSULTANT Management Plan for Patient:

DISCHARGE MEDICATION

_____	_____
_____	_____
_____	_____

(Outpatient clinic appointment date)

Type of Care :

Nursing Social Services Physiotherapy (Medinah)
Other Specify _____ Palliative Code Status : _____

Consultant in charge _____ Signature _____ Date : _____ Mobile # _____

(Referring Will Remain Patient's Primary Physician)

➤ **In the hospital upon referral Patient assessment is done**

- Medical assessment
- Socio-economic assessment
- Caregiver assessment
- Environmental assessment





Home Health Care

Assessment Care Team:

A- Physician (Team leader)

B- Nurse

C- Social worker



HEALTH CARD NO:

NAME: _____

AGE YRS MONTH

NATIONALITY: _____

CONSULTANT IN CHARGE: _____

INITIAL HOSPITAL ASSESSMENT FORM

DATE: _____ HHC: _____

CLASSIFICATION: _____

OBSERVATIONS: TEMP P BP RR

ALLERGIES: YES NO NKA ALLERGIES TO: _____

CHIEF COMPLAINTS: _____

PREVIOUS HOSPITALIZATION: YES NO

MENTAL BEHAVIOUR ALERT ORIENTED DEPRESSED ANXIOUS CONFUSED FORGETFUL

AGGRESSIVE UNRESPONSIVE APHASIC

EQUIPMENT: HOSPITAL BED WHEELCHAIR COMMODE / SHOWER CHAIR HOIST

OXYGEN CONCENTRATION OXYGEN TANK NEBULZER OTHER

ACTIVITIES OF DAILY LIVING: INDEPENDENT DEPENDENT

NEEDS ASSISTANCE WITH: Feeding Dressing Toileting TOTAL CARE

MOBILITY: INDEPENDENT DEPENDENT Aids WHEELCHAIR BEDRIDDEN TRANSFERRING

SENSORY DEFICITS: VISION HEARING OTHER SPECIFY: _____

GASTRO-INTESTINAL: NO PROBLEM NAUSEA VOMITING BLEEDING DIARRHEA

CONSTIPATION IMPACTION BOWEL MOVEMENT DISTENTION COLOSTOMY INCONTINENT

BOWEL SOUNDS ACTIVE HYPOACTIVE ASENT ABDOMEN: SOFT FIRM NOT ASSESSED

TUBE CARE: YES NO NASOGASTRIC SIZE _____ GASTROSTOMY DATE INSERTED: _____

URINARY CATHETER: INDWELLING SUPRAPUBIC SIZE _____ DATE LAST CHANGED: _____

CONDOM NEPHROSTOMY CAPD

TRACHEOSTOMY TUBE SIZE: _____ TYPE _____ DATE LAST CHANGED: _____ DRAINAGE: _____

Home Health Care

Assessment of: Care Giver

- Educational status
- The relationship between the patient & caregiver - relative or contractual
- Time available for patient care
- Previous experience in patient care

Assessment of caregivers needs for education





Home Health Care

Home Assessment



Home Health Care

Assessment: Home

- Area of patient's room
- Is patient's room shared
- Type of care given to the patient
- Safe storage of medication





Home Health Care

Assessment: Home

- Physical environment must be evaluated for **Safety** and suitability:
 - ✓ Free of fire
 - ✓ Health, and safety hazards
 - ✓ Adequate heating cooling, and ventilation
 - ✓ Adequate electrical service
 - ✓ Provide patient access and mobility & storage facilities.

Home Health Care

Assessment: Home & Environment

➤ Infection Control:

- General hygiene and hand washing
- Correct disposal of sharps
- Correct handling of supplements for feeding regime



Home Health Care

Assessment: Home & Environment

➤ Infection Control:

- Correct disposal of disposable supplies
- Correct handling of Catheter/ NGT/Peg tube
- Correct of suction apparatus
- Use of suction catheters



Home Health Care

Assessment: Constructing Care Plan

- Provides a written means of planning patient care based upon the diagnosis of the patient
- Enables provision of a holistic approach
- It serves as a means to document change of the patient's condition



Home Medical Care

What are the Services Provided By Home Medical Care ?



TEAM MEMBERS

- **Physician**
- **Nurse**
- **Social worker**
- **Rehabilitation personnel**
- **Dietician**
- **Respiratory therapist**
- **Family caregiver**



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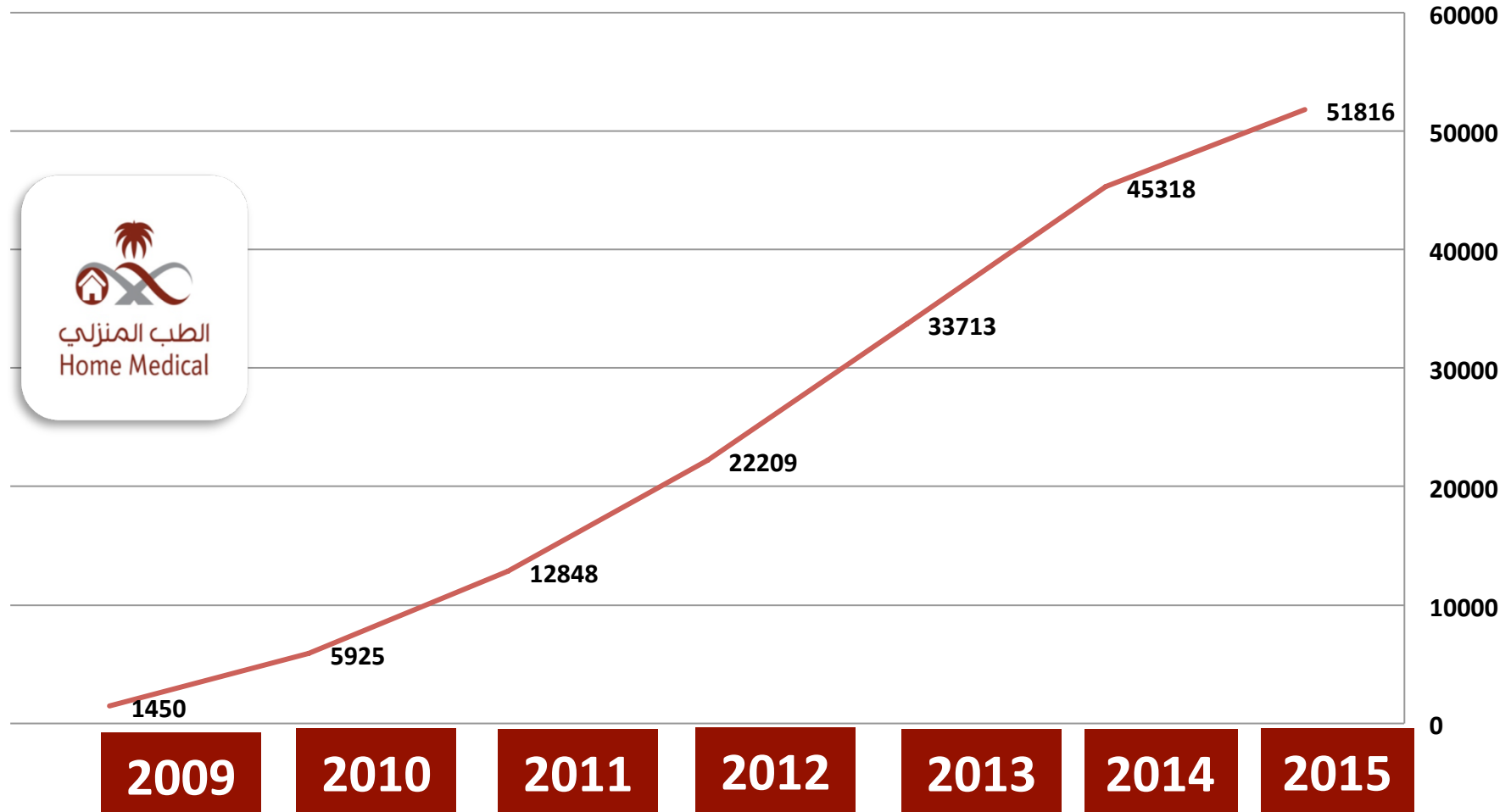
الطب المنزلي
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HMC STATISTICS 2009- Dec. 2015

- ✓ More than 51,083 patients benefited from the services
- ✓ 206 hospitals provide HMC
- ✓ 345 teams with their transportation & equipment



Steady increase in the number of patient under the service 2009- 2015



Type of diseases & medical conditions benefiting from the HMC service in 4th quarter 2015

%

Aging accompanied by organic disease

74%

Chronic diseases (Hypertension & heart diseases) & its complications

19%

Diabetes and its complications

15%

Stroke and paralysis

11%

Wounds - ulcers and diabetic foot

8%

Chronic respiratory disease

7%

Muscular and Skeletal diseases

5%

Urology

3%

Psychological diseases

3%

Neurological diseases

3%

Cancer

2%

Gastroenterology

1%

Diseases of the blood and immune system

1%

Infectious diseases

0.20%

Other diseases

3%





ROLE OF RT IN HHC 2010
Dr.A.AL-Sagheir

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HOW TO MEASURE OUTCOMES OF HOME HEALTH CARE?





Home Health Care

Out come

4 major outcomes measurement in which HHC agencies must demonstrate ability to document success:

- 😊 Cost
- 😊 Clinical
- 😊 Functional status
- 😊 Patient satisfaction



Home Health Care

Client's Satisfaction Towards Services



*Client satisfaction
is our priority*



Home Health Care

**AL Madina AL Munawara
HHC Center**

Cross Sectional Study

**Client's Characteristics and Satisfaction Towards
Services Provided by The Home health Care
Center In AL Madina AL Munawara**

Conducted by:

Dr .Hamadi A. Al Refai

Supervised by:

Dr. Aeshah Alsagheir

2009

Aeshah Alsagheir . 2016

AL Madina AL Munawara HHC Center Client's Satisfaction Towards Services

☺ Majority of clients were satisfied with most of the items of home care clients satisfaction instrument.

✓ **83.2%** of clients were satisfied about Over all care provided by the center

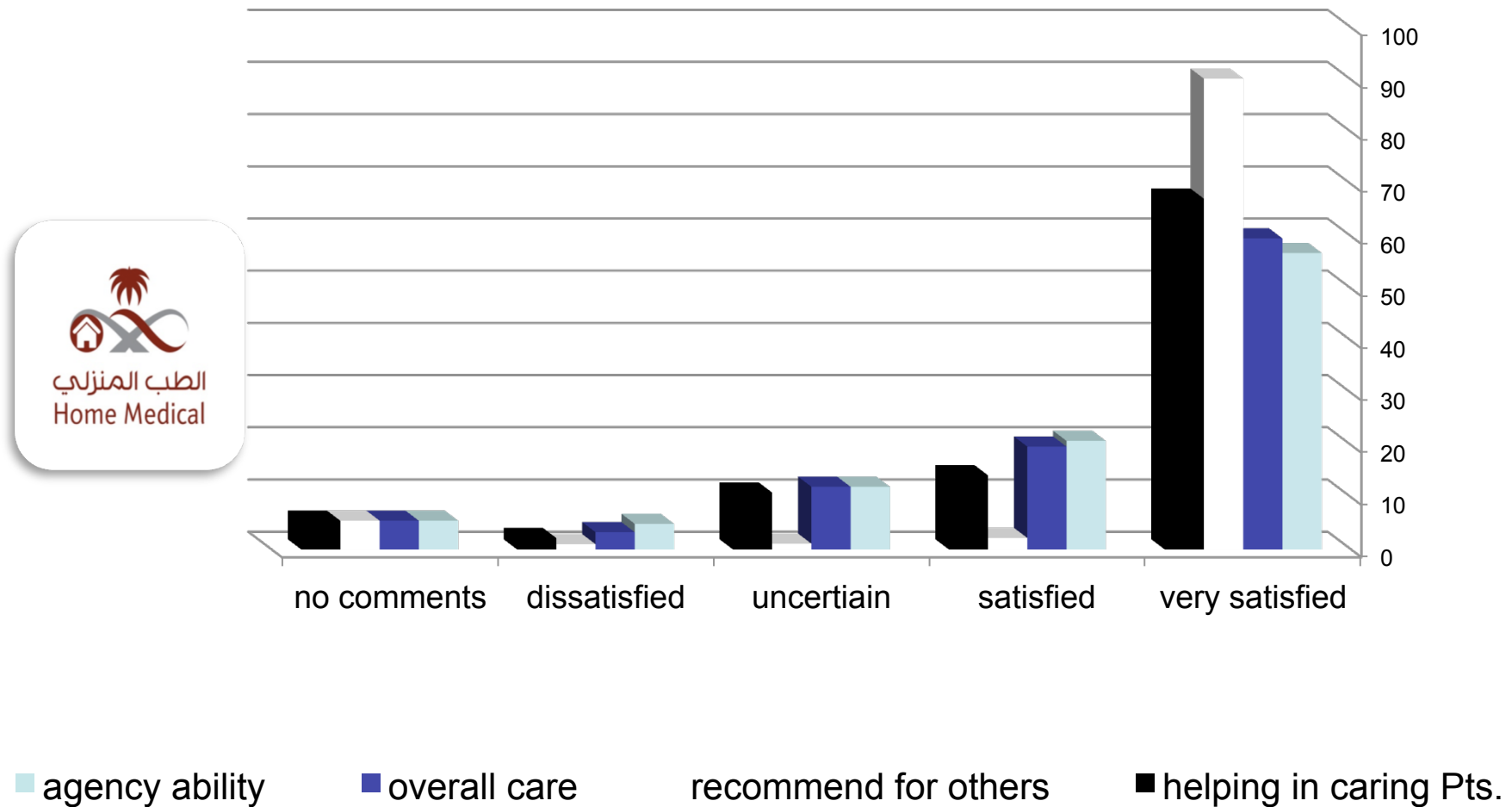
✓ non were very dissatisfied

✓ **93.3%** of clients Very satisfied to Recommend the service to others.



Hamadi AL Refai. Client's Characteristics and Satisfaction Towards Services Provided by The Home health Care Center In AL Madina AL Munwra.2008

AL Madina AL Munawara HHC Center Client's Satisfaction Towards Services



Hamadi AL Refai. Client's Characteristics and Satisfaction Towards Services Provided by The Home health Care Center In AL Madina AL Munwra.2008

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WHAT IS NEW FOR OUR HOME MEDICAL CARE?



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HOME MEDICAL CARE

Ministry Of Health

**National Home Medical
Care (HMC) Standards**



To meet the standers we need **POLICIES & PROCEDURES?**

- Policy & Procedure Manual is first thing surveyors and investigators request regardless of what Agency they represent

**P&P IS UNDER THE FINAL REVISION IN
SAUDI HEALTH COUNCIL**

• **وقد تمت ترجمته بالعربية**



Saudi Health Council المجلس الصحي السعودي

HMC Safety protocol

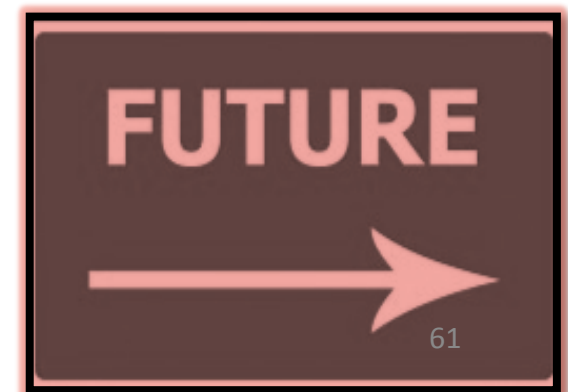
لائحة المخاطر المحتملة في الطب المنزلي

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Future direction of HMC

- **The face of HHC will change**
 - Telemedicine
 - Electronic Medical Records
 - Respiratory Home Care and Home hemodialysis



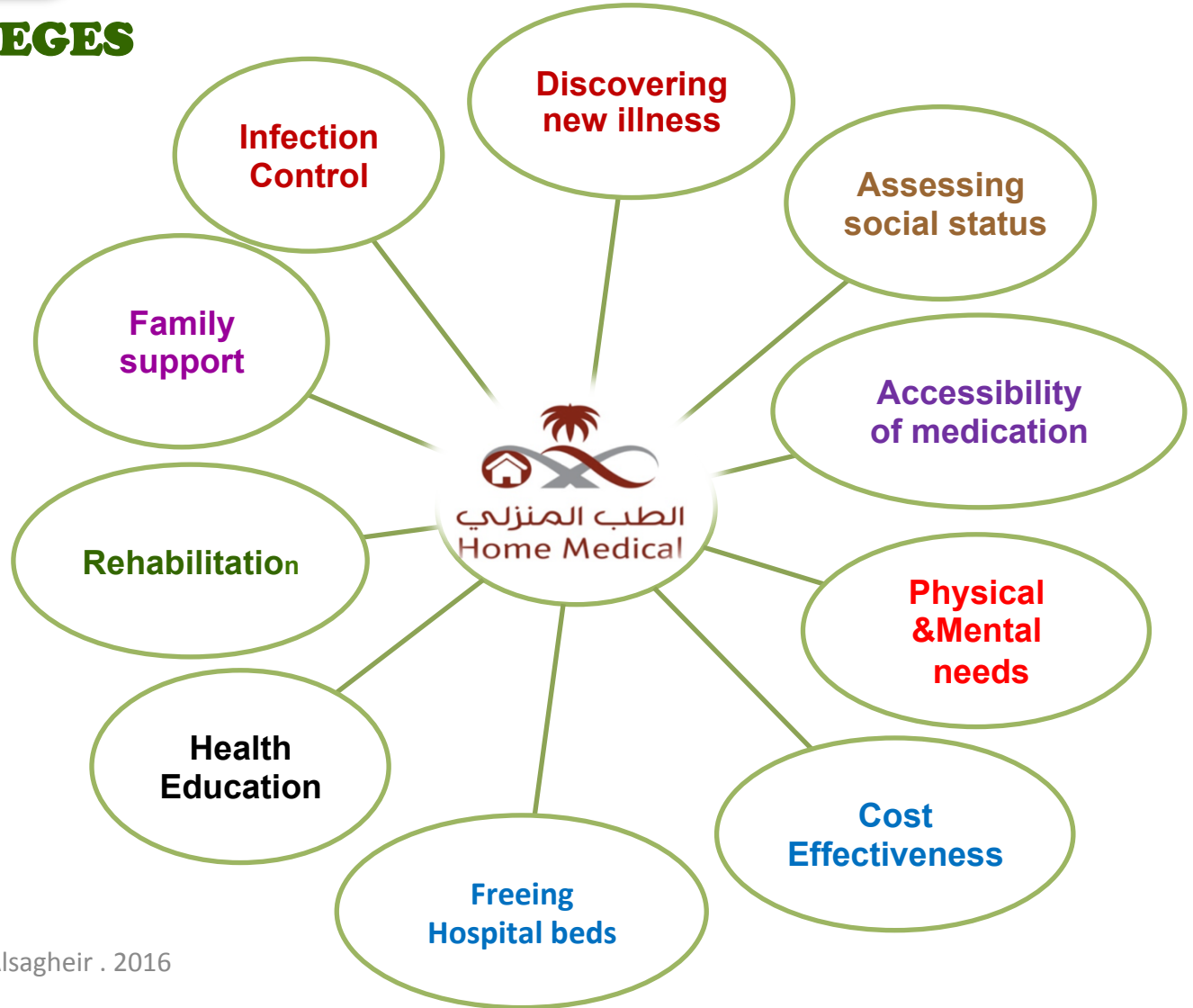
Conclusions...





HOME MEDICAL CARE

ADVANTEGES





HOME MEDICAL CARE



Thank you for listening



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