

## القطاع الدوائي في قطر: يداً بيد في مواجهة الحصار

# Medication Sector in Qatar: Hand in Hand Facing the Blockade

**Supply of Medications and Patient Access to Different Therapies:  
HMC Experience**



**Presented by : Pharmacist Zakiya Al-Boloshi  
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## **Disclaimer:**

**Presenting Authors Have No Relationships  
to Disclose**

## OBJECTIVES

- **Drug supply aims and service .**
- **Process of Ordering and Reordering of Medication in HMC.**
- **HMC Formulary.**
- **Medication Shortage .**
- **Blockade and its Effects on Supplying of Medication.**



# Drug Supply Department (Function)

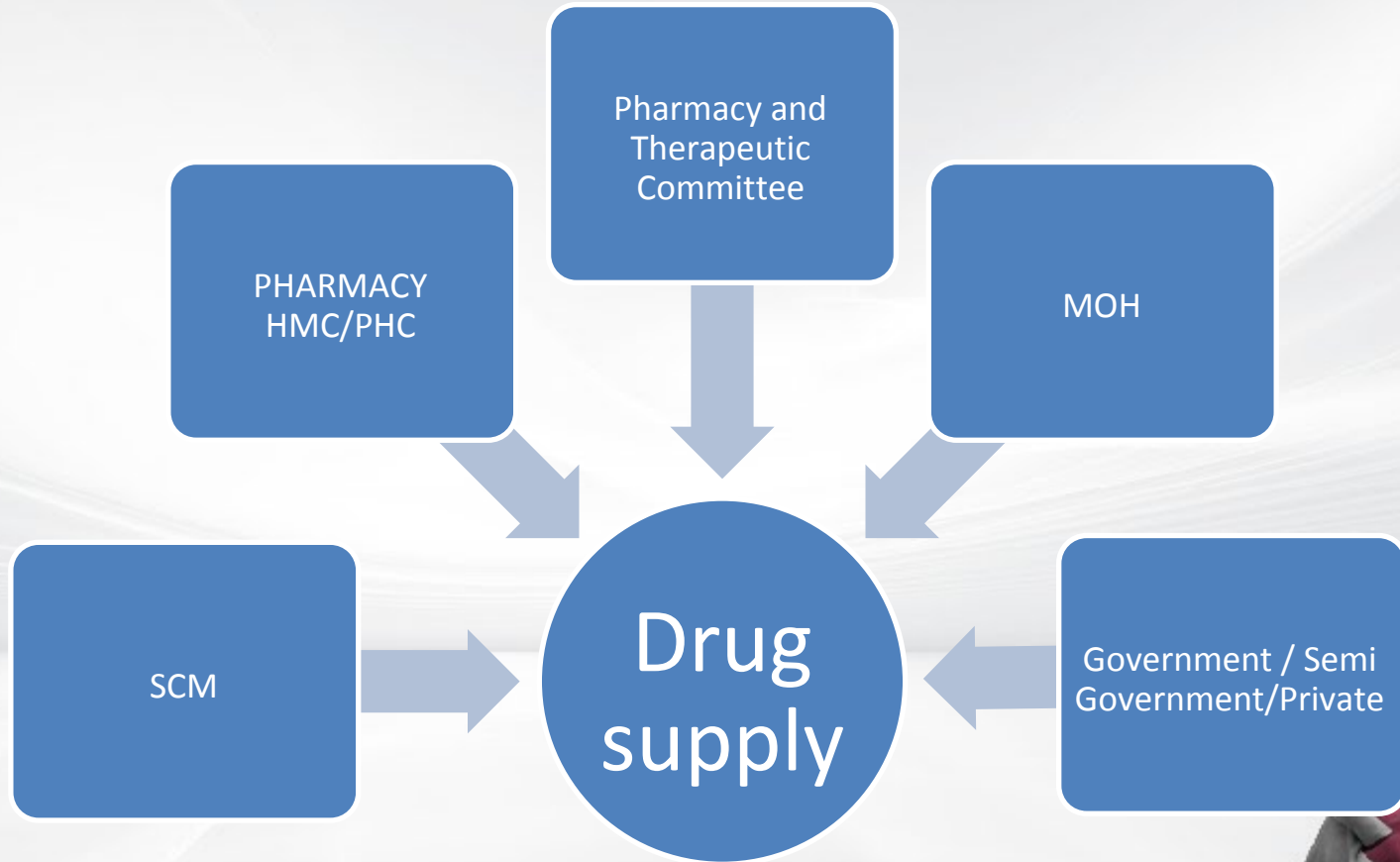
- Responsible for the maintenance of stock inventory of pharmaceutical items in terms of item range and stock quantities, compatible with the current forecast, sufficient for the need of different health care facilities in Qatar
- The department serves all Qatar's Public Sector Hospitals and Health Centers, and partially supports government facilities in sectors such as Qatar Petroleum, police ,Army clinic
- It also provide services to Private Health care sector as external customer



## Our Aims and services

- To Provide Safe and High Quality Pharmaceutical care to patients. Quality standards have been established for the purchase of medicines and sanctions put in place to deter the supply of poor quality medicines or late deliveries.
- To Provide uninterrupted flow of pharmaceutical medications required to operate the hospital and all medical units by planning and monitoring to ensure adequate stock of medications.
- To Provide equitable access to cost effective quality health services.
- Work with different organization (HMC , PHC , Army clinic etc. ) in specifying the required quantities of medications.





# HMC

# FORMULARY

A list of approved medications by Hamad Medical Corporation Corporate Pharmacy & Therapeutic Committee which were shown to be safe and cost effective for patients served by Hamad Medical Corporation, which is subjected to periodic review and modification.



## HMC Formulary (Cont.)

- Medication should be evaluated to determine the expected impact on Clinical Effectiveness, Patient Safety, and budget impact
- Estimation must be send by requesting department to DSC and Corporate Pharmacy and Therapeutics Committee (CP&TC)





# Ordering & Reordering Of Medications

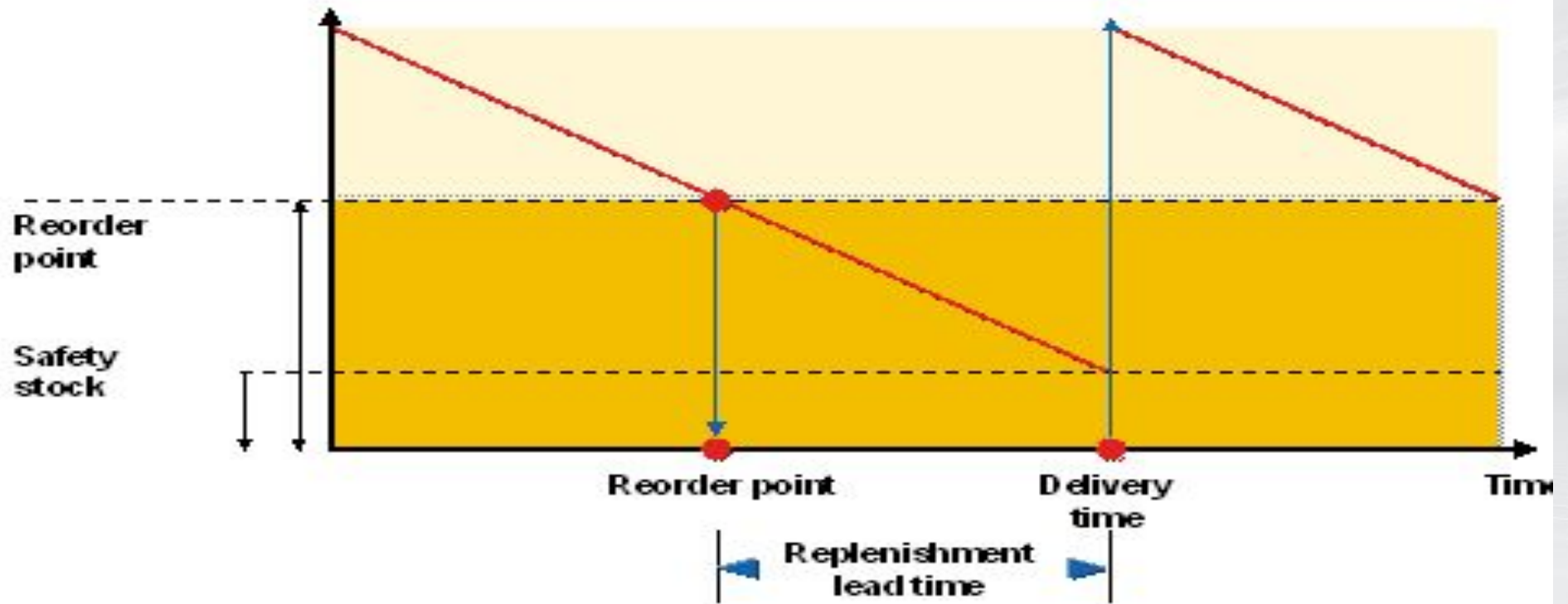
- Medications already available is forecasted based on historical data for the consumption and accurate quantification of procurement requirements. The Drug Supply Committee re-order the drug when the medical store (warehouse) raise the analysis sheet and the stock level of the drug with the order in the way reach to less than (15) months.
- Number of items that DSD forecast and planned to purchase are around 1729 (HMC formulary).





Maximum Stock level

Maximum Stock level



<b>ANESTHESIA</b>		<b>40 ITEMS</b>
CNS NARCOTIC		30 ITEMS
CNS PSYCHOTROPIC		40 ITEMS
CARDIOVASCULAR SYSTEM		220 ITEMS
CENTRAL NERVOUS SYSTEM		207 ITEMS
DERMATOLOGY & TOPICAL PREPERATIONS		97 ITEMS
Diagnostic Agents or Miscellaneous Items		5 ITEMS
Dialysis item		7 items
Ear, Nose & Oropharynx		12 items
Emergency treatment for poisoning		19 items
Endocrine System		103 items
Gastro-intestinal System		76 items
IV Fluids		40 items
Immunological Products		4 items
Infections		214 items
Malignant & immunosuppression		157 items
Musculoskeletal & Joint Diseases		70 items
Nutrition & Blood		127 items
Obstetrics & Gynecology		43 items
Ophthalmology		47 items
Preparation Items & Chemicals		28 ITEMS
Respiratory System		82 items
Urinary Tract Disorders		21 items
Vaccines		40 ITEMS
<b>TOTAL</b>		<b>1729 ITEMS</b>



# New medications

New medication	Number of medication introduced
2016	22 medication
2017	81 medication



# Formulary Drugs Procurement:

## Drug Supply Committee

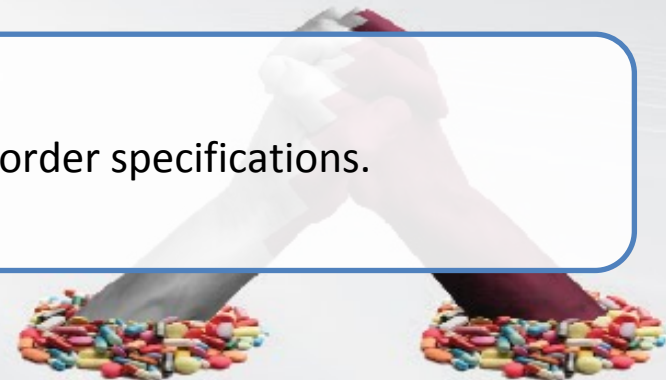
- The Drug Supply Committee headed by the Executive Director of Drug supply Department estimate, order, decide on tender bidding, and make final approval of the quantities needed in addition to technical observations and recommendations on offered medication

## SCM

- Invite the bidding for tender, prepare purchase orders, follow up and expedite delivery of purchased drugs.

## The Receiving Committee Store

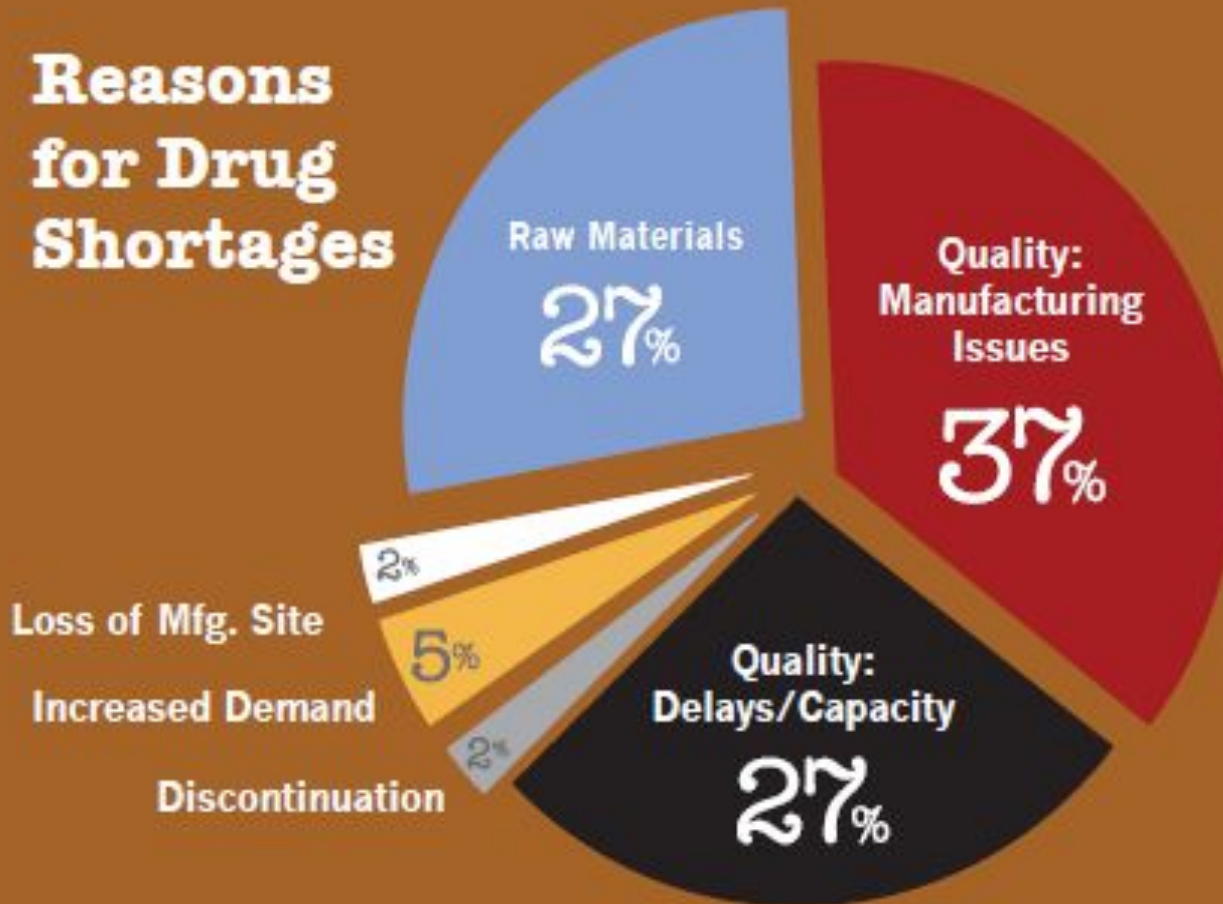
- To ensure that the delivered drugs comply with the order specifications.





# Medication shortages

## Reasons for Drug Shortages



**117**  
shortages  
reported in  
**2012**



## Drug Safety and Availability

Drug Alerts and Statements

Medication Guides

Drug Safety Communications

Drug Shortages



Postmarket Drug Safety  
Information for Patients and  
Providers



Information by Drug Class

Medication Errors

Drug Safety Podcasts

Safe Use Initiative



Drug Recalls

Drug Supply Chain Integrity



# CDER Statement: FDA updates on Pfizer drug shortages

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## UPDATE [11/9/17] Revised extended use date tables

FDA revised and updated the [extended use date information](#) to include additional lot numbers for the next six months due to ongoing critical shortages, remove the lot numbers that are now past the extended use dates, and ensure the most up-to-date information.

## UPDATE [8/17/17] Additional products with extended use dates

Based on stability data provided by Pfizer and reviewed by the FDA, the following additional products have extended use dates by lot number, click [here](#) for details:

- Sodium Bicarbonate Injection, USP 8.4% (1 mEq/mL); 50 mEq/50 mL Single Dose Glass Fliptop Vial (NDC 0409-6625-25) LABELLED AS NOVAPLUS

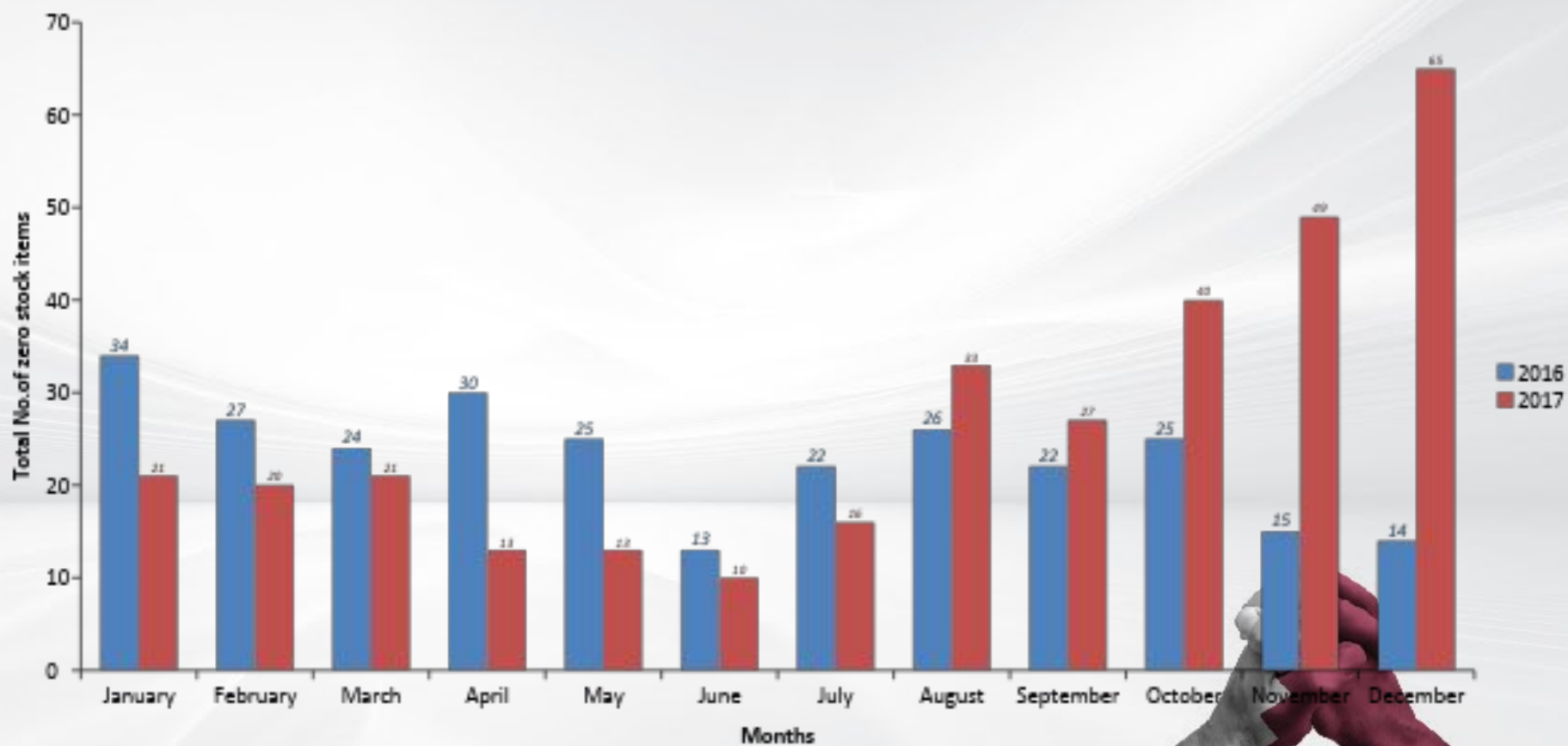
## UPDATE [7/19/17] Additional products with extended use dates

Based on stability data provided by Pfizer and reviewed by the FDA, the following additional products have extended use dates by lot number, click [here](#) for details:

- Sodium Bicarbonate Injection, USP 8.4% (1 mEq/mL); 50 mEq/50 mL Single Dose Glass Fliptop Vial (NDC



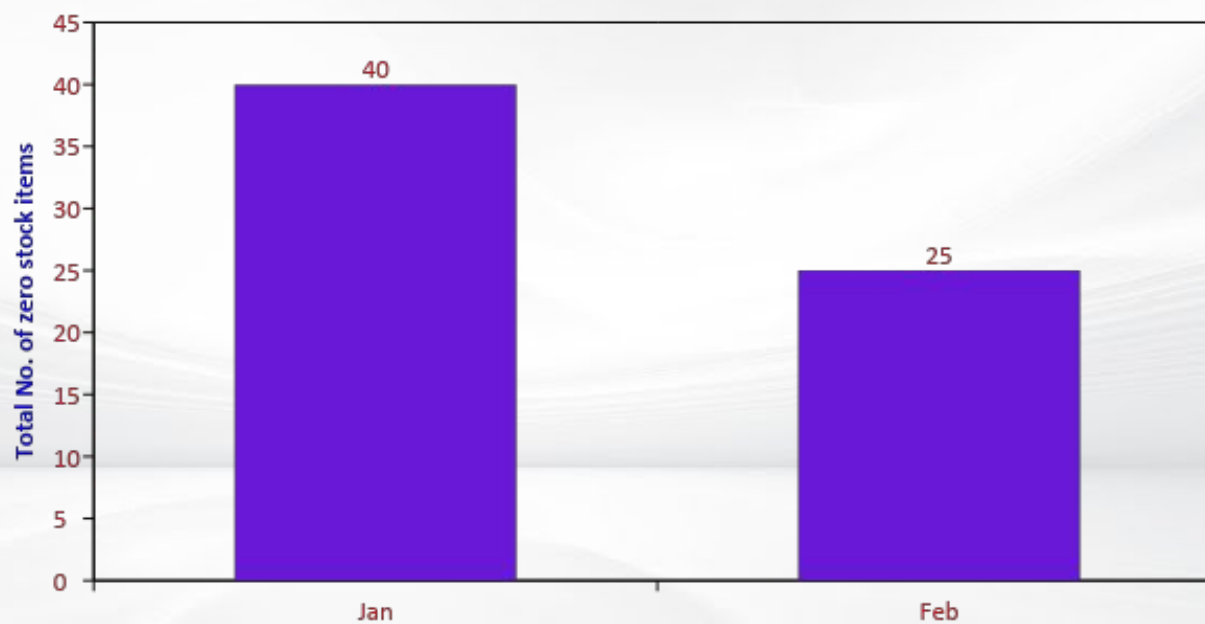
### Zero Stock Items 2016 & 2017







**ZERO STOCK ITEMS 2018**



# **Measures Taken to Overcome Medication Shortages in HMC**

- Search for alternative supplier
- Request by telex if zero stock and need is urgent
- Restrict issuing and save stock for main user
- Communication with physicians if shortage cannot be solved quickly to use alternative



## **Effects of Current Embargo on Supplying of Medication**

- 107 number of items with pending orders ,many among them are now re-ordered and received from other sources.
- Another factor that contributed to some delays in shipment processes was the use of (Jebel Ali) Port in Dubai. Manufacturers not located in UAE but using their port could also not ship their items for Qatar resulting in severe delays. However, this problem was sorted promptly by re-routing and direct shipment for Qatari ports



## **Challenges Taken to Overcome Effects of Current Embargo on Supplying of Medication**

- Make list of all pending orders from blockade country to request from other sources
- Work with local Suppliers and Manufacturers to secure stocks for pending orders from blockading country
- Arrange and speeding shipments from international companies
- Increase strategic stock
- Physician/Pharmacists cooperation and efficient communication in respect to the use of any medications we face shortage for it



## Conclusion

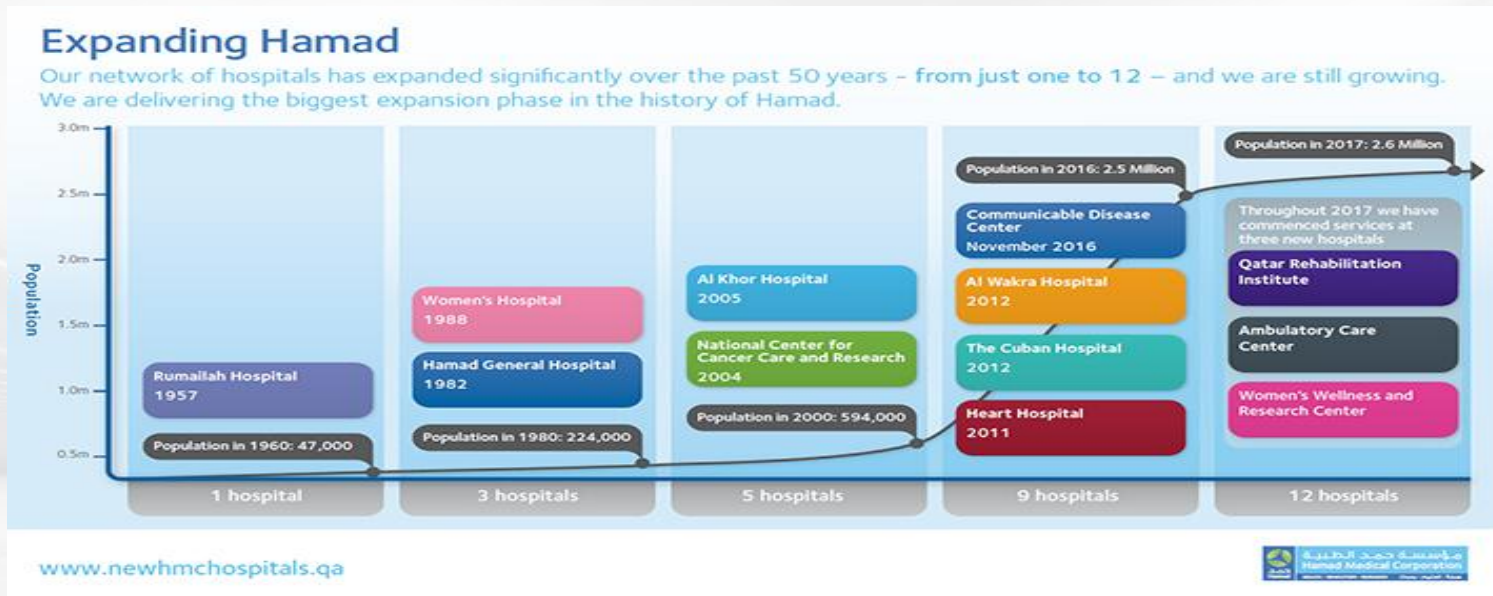
- HMC formulary is diversified. It comprise medicines from all pharmacological categories sufficient enough to meet patient need for treatment regardless of their gender, nationality and socio-economic status.
- Ordering and recording of medication is a complex process requiring seamless coordination among all stake-holders.





# Final Word

لئن شكرتم لأزيدنكم // قال تعالى في كتابه الكريم  
*If ye give thanks, I will give you more*



- Proud to be part of Health Care System in a country that invest in human-life and health is priority.*





كلية الصيدلة  
College of Pharmacy  
QATAR UNIVERSITY جامعة قطر  
Member of **HEALTH** الصحة عضو في

# Thank you

