HCM 501/22362

Principles of Healthcare Administration

Module 2: Critical Thinking

Comparison between Saudi Healthcare Organizations

Saudi Arabia is improving its healthcare system and promoting for better healthcare services. Better utilization of hospitals' capacities and improvements of healthcare quality are two main goals of the Saudi Vision 2030 (Kingdom of Saudi Arabia vision 2030, 2016). In Saudi Arabia, there are different healthcare organizations which aim to promote and improve health in different levels. Saudi healthcare system consists of governmental sector which represents 60% of healthcare services under Ministry of Health (MOH) and private sector which represents 21% of healthcare services (Almalki, FitzGerald & Clark, 2011). Also, it consists of other governmental agencies which represents 19% of healthcare services (Almalki, FitzGerald & Clark, 2011). This paper compares the following Saudi healthcare organizations: King Abdulaziz Medical City - Ministry of National Guard Health Affairs (KAMC -MNG-HA), King Saud Medical City (KSMC), Rayan Hospital by Dr. Sulaiman Alhabib Medical Group (HMG), King Faisal Specialist Hospital and Research Center (KFSH&RC) and Johns Hopkins Aramco Healthcare (JHAH). The comparison between the Saudi healthcare organization is based on type of healthcare organization, hospital capacity, financing, ownership, staff information, mission, vision, areas of treatments, growing fields as well as advantages and disadvantages of structure.

Different Saudi Healthcare Organization

Areas of comparison	Saudi Healthcare organizations				_
	KAMC-MNG-HA	KSMC	Rayan hospital by HMG	KFSH&RC	ЈНАН
Type of	Nonprofit	Nonprofit public	For profit private	Nonprofit	Nonprofit
Healthcare	governmental	governmental	healthcare	governmental	governmental
	healthcare	healthcare	organization	healthcare	healthcare
Organization	organization	organization (MOH,	(MOH, 2015).	organization	organization based
	(MOH, 2015).	2015).		(MOH, 2015).	on partnership with
					Johns Hopkins
					Medicine (MOH,
					2015).
Hospital	It is a specialized	It is a tertiary	It is one of the	It is a specialized	It provides all levels
Capacity	tertiary provides	healthcare center	largest private	tertiary and referral	of healthcare
capacity	primary and up to	which provides	healthcare	healthcare	services and has a
	tertiary healthcare	primary and up to	organizations that	organization that	capacity of 366
	services to National	tertiary specializes	provides all levels	provides	beds (MOH, 2015)
	Guard employees	healthcare services	of healthcare	specialized	
	and their	to with a capacity of	services and has a	healthcare services	
	dependents (Yusuf,	1500 beds (KSMC,	capacity of 360	and has a capacity	
	2014). It has a	2018; MOH, 2010).	beds (HMG,	of 1599 beds	
	capacity of 1501			(KFSH&RC,	

	beds (MNG-HA, 2016).		2015c).	2018b).	
Ownership	It is owned by Saudi government under MNG (MOH, 2015).	It is owned by Saudi government under MOH (MOH, 2015).	It is owned by Dr. Sulaiman Alhabib and his medical group (HMG, 2016). The group oversee the running of healthcare facilities in different branches in many places including Dubai (HMG, 2016).	It is owned by Saudi government (MOH, 2015).	It is owned by Saudi government under Saudi Aramco (MOH, 2015).
Financing	• It is established under governmental sector and commenced its operations in 1983 (MNG-	 It is a tertiary healthcare facility that was established in 1956 (KSMC, 2018). It is financed by 	 It is a private entity that was established by HMG in 2009 (HMG, 2015c). It is financed by various 	• It is a referral governmental healthcare organization which was established in 1970 and its research center	• It is a governmental healthcare organization financed by Saudi Aramco (JHAH, 2016a).

	• It is financed government of Saudi Arabia and falls under the umbrella of Ministry of National Guard (MNG) (MNG-	Saudi government and MOH (MOH, 2015).	shareholders including chief executive director Dr. Sulaiman Alhabib (HMG, 2016).	in1975 (KFSH&RC, 2018b). It is financed by Saudi government (Mostafa et al., 2008).	• It was established by Saudi Aramco with cooperation of Johns Hopkins Medicine in 2013 (JHAH, 2016a).
Staff Information	 HA, 2017b). Employees of MNG-HA are nationally and internationally recruited. Also, they are graduates of King Saud Bin Abdulaziz for Healthcare Sciences 	 Employees of KSMC are nationally and internationally recruited via KSMC employment gate (KSMC, 2018b). Employees are 	• Employees are nationally and internationally recruited via HMG employment gate. recruited by international recruitment agencies.	Employees are nationally and internationally recruited via KFSH&RC employment gate. Employees are recruited by international recruitment	 Employees are nationally and internationally recruited via JHAH employment gate. Employees are recruited by international recruitment

- University (MNG-HA, 2017c).
- of 4042
 physicians in
 which 2252
 are Saudis
 (MOH, 2015).
- of 9319 nurses in which 768 are Saudis (MOH, 2015).

- internationally recruited by international recruitment agencies.
- KSMC has more than 9000 employees from different nationalitites (KSMC, 2018a).
- Total workforce in all HMG branches are 7000 employees (Almansour, 2012).
- Total workforce of 3,888 employees (MOH, 2015).
 Total number of

agencies

2018b).

(KFSH&RC,

- Total number of physicians is 1073 in which 696 are Saudis and total number of nurses are 2410 in which 269 are Saudis (MOH, 2015).
- Other employees are working in research center and different KFSH&RC

- agencies.
- Total workforce is 5052 in which 245 are Saudi physicians and 189 Saudi nurses (MOH, 2015).

branches.

Mission Statement	To provide the best healthcare to National Guard personnel, their dependents and other eligible patients (MNG-HA, 2017a). Also, to provide outstanding academic opportunities, conducts researches and participates in community and public service programs in healthcare (MNG-HA, 2017a).	To serve the public and community with care, passion and professionalism (KSMC, 2018b).	To develop and run the state of art and science in medical facilities and provide high quality and innovative healthcare services to create value for people (HMG, 2015b).	To provide the highest level of specialized healthca re services in a cohesive educational and research setting (KFSH&RC, 2018a).	To improve the health and wellbeing of the people and to provide an environment of quality, growth and learning (JHAH, 2016a).
Vision Statement	To be recognized as an international center of excellence	To be a world leading institution and integrated	To be the most trusted healthcare provider in medical	To be a world-leading organization of	To be a leading health care system for excellent patient

	to improve	healthcare provider	excellence and	healthcare quality,	and family
	individual and	(KSMC, 2018b).	patient experience	excellence and	experiences, clinical
	public health status		globally (HMG,	innovation in	outcomes and
	(MNG-HA, 2017a).		2015b).	healthcare	improvements of
				(KFSH&RC,	health professions
				2018a).	(JHAH, 2016a).
Areas of Treatments	It has different	It offers different	It offers different	It provides various	It offers different
	medical	healthcare services	healthcare services	of healthcare	treatment services
	departments that	in various medical	including	services in different	such as oncology
	provide high	departments and	emergency,	medical	healthcare services
	quality of	centers. Medical	pediatric, neonatal,	departments which	that include cancer
	healthcare services	centers include	surgical and cardiac	include but not	diagnosis,
	(MNG-HA, 2014b).	general, pediatric,	healthcare services	limited to mental,	treatments and
	Areas of treatments	kidney, dental,	(HMG, 2015c). It is	dental, pediatric,	therapies (Amra et
	include but not	obstetrics and	the largest	orthopedic,	al., 2016). In
	limited to	gynecology centers	specialized center	obstetrics and	addition to,
	hepatology,	(KSMC, 2018c).	for treatment of	gynecology	primary, neurology,
	hematology,	Areas of treatment	obesity (HMG,	healthcare	dental, surgical and
	internal medicine,	include but not	2015c). It has a	(KFSH&RC,	mental care as well
	infectious diseases,	limited to urology,	Sports Medicine	2018b). It has	as preventative and
	surgery, obstetrics	orthopedic,	Unit which is a one	centers of	curative treatments
	and gynecology	cardiology,	of the most	excellence which	(JHAH, 2016a).

(MNG-HA, 2014b). Also, it has a cardiac center to treat medical and surgical cases (MNG-HA, 2014b). In addition to, a surgical center and a long-term care center (MNG-HA, 2014b). It is well known for the achievements of conjoined twins' separation surgeries (MNG-HA, 2014a).

hematology, general and plastic surgery provided in the general hospital (KSMC, 2018c). KSMC is an international recognized center for training in medicine and surgery especially neurosurgery (KSMC, 2018c).

significant milestones in the field of healthcare for athletes (HMG, 2015c). It became the first destination for healthcare treatment of Arab and Gulf sports stars (HMG, 2015c).

include medical genetic, neuroscience, organ transplant, pediatric hematology and heart center (KFSH&RC, 2018b). It has a well-known center of excellence for treating cancer patients (KFSH&RC, 2018b).

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The advancement of Health Information Technology (HIT) and use of Bestcare EHR system which found to be effective for supportive care (Aldosari, 2017). Also, improvements in research and innovation with the cooperation of king Abdullah International Medical Research Center (KAIMRC).

The advancement of neurosurgeries and post-operative care are growing fields in KSMC. Focusing on special-needs friendly environment 2015c) becomes an important matter in KSMC (KSMC, 2018c). Also, encouraging for community services and health volunteering are important areas of improvements (KSMC, 2018c).

The advancement
of diagnostic
radiology, Sports
Medicine Unit and
rehabilitation
programs (HMG,
2015c)
The advancement
of cardiovascular
disease, stem cells
therapy and cancer
research as well as
genetics research
(KFSH&RC,
2018b).

The advancement of EHR which will be focusing on implementation of Epic, an Electronic Health Record system which will be implemented over three to four years (Al-Jishi, 2014).

Organizational
Structure

It has a divisional organizational structure in which each division focuses on certain services and customers to serve (MNG-HA, 2016). For example, medical, nursing, financial and administrative services are organized in a certain division with a certain chief executive officer (MNG-HA, 2016).

It has a divisional organizational structure in which each department is focusing on certain services (KSMC, 2018a). For example, medical, nursing, financial and administrative services are organized in a certain division with a certain director (KSMC, 2018a).

• Adaptation to Specialized

It has a functional It has a divisional organizational organizational structure in which structure in which each department is each department is organized based on organized to focus workers' functions on certain services (HMG, 2015c). For and customers example, surgical (KFSH&RC, 2018c). For functions are organized with the example, nursing, director of surgery medical, research, and medical financial and services are administrative organized with services are grouped and director of medical organized in a services while HR functions under the division with Chief **Operation Officer** director of HR (HMG, 2015c). (CEO) (KFSH&RC. 2018c).

Adaptation to

It has a functional organizational structure in which each department is organized based on workers' functions (JHAH, 2016a). For example, Human Resources (HR) functions which include recruitment, compensation and training are organized with the director of HR while medical services are organized with director of medical services (JHAH, 2016a).

Specialized

Advantages of

• Adaptation to

Structure

changes which was seen in implementing Bestcare, a new EHR system that support better disease management with an evaluation score of 72% compared to 50% to the old EHR done by physicians (Aldosari, 2017).

- Better
 customer
 outcomes and
 satisfaction.
 - Faster and decentralized decisions.

changes and new developments such as renal disease management

(KSMC, 2018c).

- Better customer outcomes and satisfaction.
- Faster and decentralized decisions.
 - Good
 coordination
 and work within
 divisions such
 as the
 coordination
 between
 surgery, nursing

and social

working

positions and functions are organized well in each department. Effectiveness,

efficiency and cost containments are maintained.

Employees

develop in
depth
knowledge,
abilities and
expertise at
their field such
as Cardiologist
who excel in

cardiology

work.

changes and new developments such as in neuroscience technology, research and innovation (KFSH&RC, 2018b).

- customer
 satisfaction and
 outcomes.
 Faster and
- decentralized decisions.Good coordination
- and work
 within
 divisions such

positions and functions are organized well in each department.

- e Effectiveness
 , efficiency
 and cost
 containments
 are
 maintained.
- develop in depth knowledge, abilities and expertise at work.

• Good

divisions to

coordination

improve quality

and work

of healthcare of

within

burned patients

divisions. For

(KSMC, 2018c).

example, this

was seen in

Right Care

Transformati

on program

when

infection

control,

medical and

nursing units

cooperated to

control

Middle East

Respiratory

Syndrome

Corona Virus

(MERS-

as the

coordination

between

research and

nursing

divisions to

improve

quality of

nursing care

(KFSH&RC,

2018b).

CoV) infection (MNG-HA, 2015).

Disadvantages of

Structure

- Inefficiency resulting from great number of employees and increased expenses.
- Employees in each division focus on the services they provide.
- Less
 coordination
 among all
 services.
- Less development of in-depth

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 resulting from
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 coordination
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 services.
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Decision
 making is slow
 and take long
 process.

• Slow adaptation

to changes when occurring. For example, the barriers of implementing new technology for sport injuries

(HMG, 2015c).

• Employees focus

on their functions and work. For example,

- Inefficiency resulting from great number of employees and increased expenses.
- Employees
 in each
 division
 focus on
 the services
 they
 provide.
- Less coordination among all
- Decision making is slow as it depends on hospital size. Hospital size is an important determinant for decision making and implementation such as the case of implementing Epic, an Electronic

Health Record

system which

and work. For

example, Nurses

are only focusing

on their work.

for dispel	
functional functional Orthopedic unit services. wil	ll be
knowledge and knowledge and are only focusing • Less imp	plemented
expertise expertise on their work. development of over	er three to
(Olden, 2011). (Olden, 2011). • Horizontal in-depth fou	ır years (Al-
coordination functional Jish	hi, 2014).
between knowledge and • Slow	adaptation
departments is expertise to cha	anges when
limited which (Olden, 2011). occur	rring. For
require exam	ple, the
cooperation, barrie	ers of
communication imple	ementing
and liaisons to new I	Epic EHR
help (Olden, system	m staff
2011). resist	tance
(Aldo	osari, 2017;
Al-Ji:	shi, 2014).
• Empl	loyees focus
on the	eir functions

• Horizontal coordination between departments is limited which require cooperation, communication and liaisons to help (Olden, 2011).

Other relevant information

It has great values, organizational culture and policies that are used in to provide high quality and affordable healthcare services. Moreover, it has a business center liable for payment

The facility is
among the largest in
Saudi Arabia that are
known for offering
high-quality
services. Despite the
facility being
established during a
time when Saudi
Arabia was starting
to develop and was

A majority of professional medical doctors in Saudi Arabia who are working for in government healthcare settings are also working part times in private healthcare facilities including HMG as

To keep up with high levels of competition in Saudi health industry, KFSH&RC made major achievements of oncology treatments and research (KFSH&RC,

On numerous occasions, the facility is used as a research center and a center where insurance covers from different insurance companies are accepted.

of healthcare services for those who are illegible for treatments (MNG-HA, 2016). facing serious health challenges; the facility has been able to withstand the test of time. It has been able to handle stiff competition especially from other governmental organizations and private sectors. constantly upgraded its systems and services being offered (KSMC, 2018a).

it is a recognized high-quality healthcare center (HMG, 2015c). It works collaboratively with other partners for better healthcare services (Al Suwaidi et al., 201). These are partners in the pharmaceutical industries and information technology among many others. The collaboration helps the facility to access quality drugs and other equipment at lower

2018b). It is also a center from where massive research has been carried out not only concerning cancer and liver diseases but also other ailments like cholera outbreaks, typhoid, and pneumonia among other ailments. It is through this center that the government funds various medical research programs that have seen the Saudi Arabia health industry progress tremendously (KFSH&RC,

			prices and better	2018b).	
			payment terms.		
Fields for	It has great ability	Being under MOH	Saudi population	It is a good thing	The facility can
advancement	and potential for	portal, the facility	suffer from	that the center has	review on the area
needing quality	advancements in	can advance by	different types of	specialized in liver	of research where
review	specific disease	establishing in other	cancer an area that	and cancer	this section can be
	management	areas within the	the facility has not	ailments. However,	advanced so that
	especially because	jurisdiction of Saudi	invested in. Hence,	because of the	students can use
	of the size and	Arabian hence	the facility can	ample land and	this center as a
	quality of	reaching out to more	expand in the	funds from the	learning center as
	employees being	people especially in	cancer field and	government, the	well.
	hired (Yusuf,	the rural areas.	establish centers	facility can expand	
	2014).		that would offer	in other medical	
			cancer treatment to	areas of treatment	
			the citizens at	like mental disorder	
			affordable rates.	and heart diseases	
				(Koenig et al.,	
				2014).	

Population Health in Saudi Arabia

According to Alkhamis, (2017), people living in urban areas are many as compared to people living in rural areas. Sadly, the higher population is more vulnerable to ailments as they live in more exposed regions as compared to people in less densely populated areas of Saudi Arabia. Hence, a strong healthcare system should not only focus on established healthcare facilities in urban areas but also put into consideration the rural regions as well.

Conclusion

Saudi healthcare system is improving and showing many advancements in different healthcare organizations. Even though, there are many differences between the mentioned healthcare organizations in many aspects including of areas of treatments and organizational structures, they share one important goal which is to improve healthcare of individuals and the population in Saudi Arabia.

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