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Patient Satisfaction: Bangladesh Perspective

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ABSTRACT

Patient's satisfaction is a useful measure to provide an indicator of quality in healthcare services. Concern over the quality of healthcare services in Bangladesh has led to loss of faith in healthcare providers, low utilization of public health facilities, and increasing outflow of Bangladeshi patients to hospitals in abroad. The main barriers to accessing health services are inadequate services and poor quality of existing facilities, shortage of medicine supplies, busyness of doctors due to high patient load, long travel distance to facilities, and long waiting times once facilities were reached, very short consultation time, lack of empathy of the health professionals, their generally callous and casual attitude, aggressive pursuit of monetary gains, poor levels of competence and, occasionally, disregard for the suffering that patients endure without being able to voice their concerns—all of these service failures are reported frequently in the print media. Such failures can play a powerful role in shaping patients' negative attitudes and dissatisfaction with healthcare service providers and healthcare itself.

Keywords: consultation length; patient waiting time; rural health facilities; unethical drug promotion; quality of future doctors

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Introduction

Bangladesh, a lower-middle economy in South Asia, has been experiencing a demographic and epidemiological transition with rapid urbanization and a gradual increase in life expectancy (GBD 2013 Mortality and Causes of Death Collaborators, 2015). It is the seventh most populous country in the world and population of the country is expected to be nearly double by 2050 (World Population Prospects 2019: Highlights). The increasing burden of noncommunicable diseases (NCDs) in Bangladesh can be attributable to rapid urbanization and nearly 50% of all slum dwellers of the country live in Dhaka division (Al-Shoaibi et.al, 2019; van der Heijden et.al, 2019). According to World Bank's Country Environmental Analysis (CEA) 2018 report, air pollution lead to deaths of 46,000 people in yearly in Bangladesh (Majumder et.al, 2018). High level of pesticides content is present in grains, pulses, in fruits and vegetables; adulteration reported by Institute of Public Health (IPH) in nearly 50% of market samples

(Mohiuddin, June 2019) and fecal bacteria found in 97% bottled mineral water (Mohiuddin, March 2019). Although there is a declining trend of child malnutrition but the prevalence of child malnutrition is still high (Anik et.al, 2019). About 2/3rd of the total health expenditure is from out-of-pocket (OOP), and of this, 65% is spent at the private drug retail shops (Ministry of Health and Family Welfare, 2015). There is little assessment of the quality of provider care, low levels of professional knowledge and poor application of skills. Bangladesh does not have a formal body for arbitration of complaints against health providers. Hospital or clinic authorities address complaints and disputes independently, without involving the government or legal entities (Nuri et.al, 2019). 'Negligence of Physicians' and 'Wrong Treatment' have become commonly-used phrases in print and electronic media of Bangladesh, while violence against the physician in Bangladesh (by patients or by their associates) has been increased and the severity has been intensified simultaneously (Hasan et.al, 2018).



Figure 1. Patients' Struggle in a Public Medical College Indoor. Unsurprisingly, death due to "wrong treatment" or medical negligence and doctors' incompetence have been reported in the

media all the year-round. Laws such as the Penal Code 1860, Code of Criminal Procedure 1898, Consumer Rights Protection Act, 2009 under which cases can be filed for legal remedies. In the event of death due to medical negligence, cases may be filed under the penal code, 1860, as death by negligence is a criminal offence and is punishable under section 304A of the penal code. There are also provisions for imprisonment and fine which are equally applicable to both the doctors and the complainants. In the realm of therapeutic care, challenges are: public hospitals face no competition, have neither built-in incentive system nor any culture to enforce discipline and conduct rules and punish the recalcitrant; there is no mechanism either to evaluate individual's performance or that of any healthcare institution. Doctors usually give little time, often less than three minutes, to examine patients and mistreat them; fixated mind-set of hospital staff who overestimate their own performance, care little about the patients' experiences and don't know that patients' satisfaction index is related to clinical outcome.

Present Healthcare Situation

Harvard Professor Sue Goldie credited Bangladesh for reducing under-5 child mortality by 80%, the highest in South Asia and being on target to reach 2015-MDG5 goal of reducing maternal mortality ratio of 1990 by three-quarters (Bhattacharyya, 2015). The current doctor-patient ratio in Bangladesh is only 5.26 to 10,000, that places the country at second position from the bottom, among the South Asian countries, according to the WHO (Alam, 2019). According to Bangladesh Medical and Dental Council, between 2006 and 2018, there were 25,739 registered male doctors (47%) and 28,425 female doctors (53%) in the country (Palma, May 2019). Average consultation length is used as an outcome indicator in the primary care monitoring tool which was found to be less than a minute to an outdoor patient (Irving et.al, 2017). An average 1.5 hours is spent to see a doctor in Dhaka Medical College and other public hospital outdoors, sometimes there are no doctors due to post vacancy (Begum et.al, 2015; Bdnews24.com, 2006; Ali et.al, 2015). Overall, 67% of the healthcare cost is being paid by people, whereas global standard is below 32%. Only one hospital bed is allocated per 1667 people, and 34% of total posts in health sector are vacant due to scarcity of funds (Fahim et.al, 2019). In a low socio-economic country like Bangladesh, nurses struggle in a grossly underfunded healthcare system to deliver care to the people. Heavy workloads; lack of

government accommodation and transportation; poor health status; lack of support from nursing supervisors; lack of promotion opportunities; incomplete hospital policies and procedures; and lack of night shift and risk allowances reported by Akter et.al, 2019. Bangladesh Health Facility Survey (BFHS), 2017 reveals that more than 70% of rural health facilities do not have all six basic equipment items (thermometers, stethoscopes, blood pressure gauge, weighing scales for infants and adults, and torchlights) (Molla, 2019). Only around half of physicians employed in public hospitals at district to union sub-center level are satisfied with availability of medicines in their facilities, suggesting widespread lack of medicines stocks in public facilities (Kasonde et.al, 2019). In 2013/2014, the Infant Mortality Rate, which in urban areas overall is 34 per 1000 live births and 40 in rural areas, rises to almost 70 in urban slum areas (Islam et.al, October, 2018). Sir William Osler said "One of the first duties of the physician is to educate the masses not to take medicine". Bangladesh has an estimated 100,000 licensed retail drug shops and a further 100,000 unlicensed drug shops (Rousham et.al, 2019; Ahmed et.al, 2017). They are largely unregulated and unaccountable, and run by salespersons who are mostly trained informally through a process of 'apprenticeship' (Ahmed et.al, 2017), where majority of medicines were dispensed irrationally without any prescription and OTC dispensing of many low safety profile

drugs is common (Saha et.al, February, 2017). More than 80% of the population seeks care from untrained or poorly trained village doctors and drug shop retailers (Ahmed et.al, 2017). The post disaster management in Bangladesh is inadequate due to lack of proper compensation, inadequate or inaccessible healthcare facilities, and the slow rehabilitation process to accommodate the survivors of disasters within the mainstream society (Kabir et.al, 2019). The recent Dengue outbreak caused more than 50,000 hospitalizations in August, 2019 alone (Mohiuddin, October 2019) and around 100,000 hospitalizations and claimed 112 deaths from January to October, 2019 (Tribune Desk, November 2019), where hospitals were not able to handle the huge number of patients flooding the hospitals (Al-Amin, 2019). The country is hosting 1.1 million Rohingya refugees (UNB, New York, 2019), who are posing serious threat of diphtheria (Rahman et.al, January 2019; Matsuyama et.al, 2018; Finger et.al, 2019), HIV and other STDs transmission (Islam, December 2018; Hossain et.al, July 2018).

System Collision with Traditional Medicine

There are around 86,000 villages in the country and almost every village has one or two traditional practitioners (Yoshida et.al, 2016). Over 65% of the population of Bangladesh obtain first-line healthcare services primarily from village doctors (Billah et.al, 2018). An estimated 70% to 75% people of the country use traditional medicine for their healthcare (Haque et.al, 2014; Saha et.al, June, 2017). Also, 70% of the women used at least one herbal product during their last pregnancy, mostly without consultation of a qualified healthcare practitioner (Ahmed et.al, 2018). Again, alternative/traditional medicine are not included in the medical school curriculum except in Ayurvedic Medical College of Bangladesh. Illiteracy, poor economic status, cultural context, unpredictable diagnosis and treatment cost, absenteeism of doctors in rural health complexes, divergent medical opinions, unhealthy competition between health providers

and their tendency to linger treatment procedure, negative perception of costly medical tests and unnecessary food supplements as well as easy availability and accessibility of alternative medicine diverted the patients to seek help from orthodox to alternative medicine (Haque et.al, 2018; Das et.al, 2017; Joarder et.al, 2018; Shahriar, 2015; Uddin, 2016; Palma et.al, 2019; Palma, June 2019).

Drug Cost Vs OOP Expenditures

Due to high competition in the pharmaceutical industry, aggressive marketing strategies have been adopted by the different medicine companies. The doctors, willingly or unwillingly, become part of the system with few exceptions. This unethical promotion clearly drives them towards prescribing high valued or unnecessary medicines (Mohiuddin et.al, 2015; AK Mohiuddin, 2019; Shafique et.al, 2018; Haque et.al, 2017; Arefin, 2017; Staff Correspondent, October 2016; Islam et.al, 2018). Very often, medical representatives rush at peak hours and aggressively pulls patient prescriptions in the name of survey. Prescribing antibiotics in 44% consultations, prescribing of 3 or more drugs in 46% in urban centers and 33% in local health centers (Rousham et.al, 2019) clearly raise OOP expenditure and create strong repulsion towards modern medicine where nearly 22% of the population is below poverty line (BSS, 2019; Tribune desk, May 2019). Moreover, doctors are more often accused to take 30% to 50% commission on a test from hospitals/diagnostic centers (Akter et.al, 2006; Palma et.al, 2019; Ullah, 2018). Neither the regulatory authority nor the professional or consumer rights bodies has any role to control or rectify the process (Mohiuddin et.al, 2015). Annually around 3.5% households (corresponding to approximately 5 million people) are pushed into poverty due to OOP outlays wherein chronic non-communicable diseases are the principle contributor (Hamid et.al, 2014; Khan et.al, 2017). Khan et.al, 2017 further revealed that households spend 11% of their total budget on healthcare wherein 9% households faced

financial catastrophe, wherein 16.5% of poorest and 9.2% of the richest households faces catastrophic health expenditure. Studies reported that detrimental coping strategies and lack of healthcare expenditure protection for health care often negatively affect future income and can magnify people's vulnerability and hardship (Hossain et.al, 2019).

Downgrading Image of Supplied Medicines

Fake drugs kill more than 250,000 children a year worldwide (Sample, 2019). Ensuring quality health service is impossible without availability of medicines as it is one of the basic requirements of people, said former DGDA of Bangladesh (Tribune Online Report, 2014). Counterfeit medicines may lead to avoidable morbidity, mortality, drug resistance, early death or treatment failure, as well as loss of faith in health systems, especially in low-income and middle-income countries (Rahman et.al, 2018). Rural people, who are believed to be unaware of the situation are generally the victims of the adulterated medicines. "People are taking poison without knowing it," according to the Dean, faculty of Pharmacy at the University of Dhaka, who noted sales of counterfeit or sub-standard medication are most common in rural areas due to the lower levels of health awareness and formal education there (Wadud, 2013). According to a survey by Bangabandhu Sheikh Mujib Medical University, as many as 2,700 children died due to renal failure after taking toxic syrup from 1982 to 1992. The accused companies took a more reasonable approach. Recognizing that 90% of their products had no scientific validity, they argued that the fault lay with the Drug Administration which should not have permitted their products in the first place (Yusuf et.al, 2015). Recently, a lot of people are being cheated in buying adulterated insulin (Hasan, 2019). According to the drug market intelligence, an estimated Tk 600 crore of counterfeit medicines is traded in the Tk 18,000 crore medicine market in Bangladesh each year (The New Nation, 2019; The daily Star, June 2016; Ahmed, 2016). The

government revoked licenses of 20 pharmaceutical companies for producing adulterated and low-quality medicine back in 2016 (Senior Correspondent, 2016). Besides those, the parliamentary panel recommended that licenses of 14 companies to manufacture antibiotics (penicillin, non-penicillin and cephalosporin groups) be revoked and permission of 22 companies to produce medicine of penicillin and cephalosporin groups be suspended (Staff Correspondent, April, 2016; Staff Correspondent, June 2016; Sun Online Desk, June 06, 2016; Sun Online Desk, June 12, 2016; AK Mohiuddin, 2019; Staff Reporter, 2017; Shaon, 2017). The court also ordered the government to immediately stop these companies from producing medicines. But the government is yet to act on it. 370 cases of fake medicines had been filed in the first 6 months of 2019, according to the DGDA (Rabbi, 2019). Even hospitals like Apollo and United, were accused for keeping and selling of substandard reagents and drugs (AK Mohiuddin, 2019). It should be further noted that, there are two Govt. Drug Testing Laboratories in the country, one unit in Chittagong and another in Dhaka. They are fully-equipped with modern machines and other testing facilities but their performance is much lower than (5% of the total produce) present demand where there are more than 275 pharmaceuticals companies have more than 25,000 brands that produce more than 100,000 batches of medicines (Senior Correspondent, 2015).

Quality of Medical education

In a parliamentary session June 2019, the Health Minister informed that close to 50% teaching positions are vacant in public medical and dental colleges, where most of the vacant posts are of the basic subjects (Homeland, 2019; Star Online report, 2019). The disappointing poor performance of the private medical colleges noted from the honorable prime minister in a seminar on critical disease treatment in Bangladesh (Hasan, 2018). A deficit in 65% teaching staffs in both public and private

medical colleges has also been reported (The Daily Prothom Alo, 2018). Generally, 80% of medical education should be provided to students through practical classes—the rest is theoretical knowledge. But in some private medical colleges, students do not get to see patients even in their fourth year (The daily Star, March 2019). Doctors without adequate practical and field-based applied knowledge are increasingly become risk factors to the patients they happen to treat. If a degree-holding doctor fails to find the vein for just a saline push-in and then takes the professional help of an experienced nurse it is a shame not only for the doctor in question but also for the whole nation. Definitely all these facts have deep connections to progression of medical studies and quality of future doctors in Bangladesh.

Debasement of Health Providers' Image

Bangladesh suffers from a severe lack of quality, reliable health care services and an insufficient supply of healthcare organizations to match growing demand. Specifically, there is a major supply gap between the care available to the poor and the rich, especially in light of the growing middle class. A major finding from the household survey was that patients are unhappy with the way health workers in government facilities behave towards them. The behavior of health workers towards them is one of the main determinants of satisfaction of government health service users (Cockcroft et.al, 2011). Though private hospitals and clinics have mushroomed in the country over the years the quality of services delivered by most of those is found to be poor. Surprisingly, more than 40% of private hospitals, clinics, blood banks and diagnostic centers are not registered with the relevant government agency (Khan, 2017). Patients and their families are found to be more appreciative of the services offered by doctors, nurses and other medical staff of foreign hospitals. They find doctors there in particular communicative and caring (Zahid, 2019). The number of hospitals of international or regional standard is quite a few and those are located

only in Dhaka. Other cities and towns do not have modern health facilities in their true sense. Taking hostage of dead bodies for not clearing the hospitalization costs by some of the hospitals is becoming quite common (Mehta et.al, 2018; Staff Correspondent, November, 2017; UNB, 2017; Ali et.al, 2016; Ali et.al, 2018). Other allegations also include such as: swapping of a deceased child with a new born baby, abducting or stealing newborn baby (Nasim, 2017; Correspondent, Bogra, 2017; The Daily Star, November, 2016), staff not attending to patients in coma, high ICU bills (Adhikary et.al, 2015; The Daily Star, April 2019), keeping clinically dead patients in ICU and raising hospital bill (Senior Correspondent, June 2019; Tribune Desk, September 2017), wrong diagnosis and treatment (Medhekar et.al, 2012; Aziz, 2017; Islam, 2019; Staff Correspondent, May 2017; Solaiman, 2017; Chandan, January 2019; Chandan, February 2019; Akter, 2014), absence of human touch and care from the hospital staff, not maintaining proper medical history or lack of electronic health record (EHR) (Hoque et.al, 2014) etc. Hospital acquired infection rates in Bangladesh may exceed 30% in some hospitals, according to Shahida et.al, 2016. Also, rural practitioners routinely made errors in death certification practices (more than 95%) and medical record quality was poor (more than 70%) (Hazard et.al, 2017). The country has still not introduced the subject of Emergency and Critical care medicine in the curriculum 1 for graduate medical students. The Basic and Advanced life support courses are still not introduced as integral part of physician credentials in our hospitals, especially for those who work in Medicine, Pediatrics, Anesthesia, Emergency etc. Emergency health care exists in name not in real sense (The Independent, December 2018).

Present Trend of Medical Tourism

In a press briefing, former health minister of Bangladesh revealed four reasons of Bangladeshi patients seeking medical treatment in abroad (economic solvency, love for treatment

abroad, health tourism, and in some cases, for the lack of suitable treatment facilities in the country) but he could not present any statistics about how many people go abroad from Bangladesh for treatment and the expenditure involved (UNB, 2018). However, public health experts, health economists, agents of foreign specialized hospitals and patients reported that Bangladeshis seeking treatment abroad is on an upward trend since patients are unwilling to gamble with their life and health. "People do everything they can to get an accurate diagnosis. They run from one doctor to another, change hospitals and so on. Eventually they get frustrated when they don't see results. That's why people decide to go abroad for treatment," according to director of the Institute of Health Economics at Dhaka University (Afrin, 2019). A low confidence on local doctors and flawed diagnosis are forcing a large number of Bangladeshis to travel abroad for treatment of medical conditions such as cancer, cardiac ailment, autism, infertility, as well as medical check-ups. In fiscal year 2015-16, 165,000 patients from Bangladesh visited different hospitals of India but only around 58,000 medical visas were issued to Bangladeshi nationals. Some 63,000-65,000 patients went to Thailand in 2015 (Chaity, 2017; Daily Industry, 2018). On an average 1,000 Bangladeshis go to India daily and some 10,000 in Malaysia (in a year) to take treatment, as reported by 2 directors of Indian and Malaysian consultancy firms (Star Business Report, 2018). India, Thailand, Singapore and Malaysia are the most visited countries by Bangladeshis medical tourists. Instead of playing the blame game, doctors should act responsibly and government should acknowledge its huge responsibility for updating the healthcare sector, according to Joint Secretary General, Diabetic Association of Bangladesh (BADAS) and convener of National Health Rights Movement (Afrin, 2019). For Bangladesh's economy, increasing medical tourism means the country economy is losing the amount of money Bangladeshis are spending

abroad. About 700,000 people go to abroad every year for treatment spending US\$ 3.5-4.0 billion during the period 2018-2019 which was \$ 2.0 billion in 2012, due to lack of confidence on the local physicians and poor diagnosis system (Daily Industry, 2018; Zahid, 2019). The middle and lower middleclass families, in many cases, are forced to sell their property or spend life's savings or borrow from others to meet medical expenses abroad. This also drainage hard-earned foreign currency at the same time Bangladesh is becoming health tourism market for neighboring countries. To cash in on the growing demand from Bangladesh's rising mid-income people, some hospitals of India, Thailand, Singapore and Malaysia have either opened their liaison offices or hooked clients through their consultants in Bangladesh (Star Business Report, 2018).

Conclusion

Privatization not only makes services more expensive, but also diminishes equity and accountability in the provision of services. The public sector should remain vital, and the government must remobilize it to provide better provision of healthcare (Rahman, February 2019). However, problems such as a lack of personnel, absenteeism, and corruption in the public sector have also contributed to private sector growth. At the same time, affordable formal primary care services are scarce, and what exists is almost exclusively provided by NGOs working on a project basis (Adams et.al, 2015). NGOs, private organizations and mobile phone companies are also providing e-Health services to the patients in different areas in Bangladesh. It is important to have modern hospitals in divisional and district headquarters. But, unwillingness of skilled and senior health professionals to work outside Dhaka turns out to be a major problem here. As if to follow their footsteps even junior doctors despise postings beyond the capital city. A study on career choices among medical students in Bangladesh revealed that more than 50% respondents wanted to practice abroad about 90% chose

major cities as practice locations (Ahmed et.al, 2011). According to another study, female medical students face challenges from the society as well as the family. After marriage, their husbands and in-laws expect them to prioritize their families over their career (Palma, May 2019). These clearly reveal motivation level of qualified doctors having posting in remote areas. It is high time the authorities act pragmatically on policies to create female-friendly workplaces everywhere. Doctors and nurses are usually demotivated by poor working conditions, unfair treatment, and lack of career progression; private and unqualified practitioners sought to please patients instead of giving medically appropriate care. However, attractive facilities might lure senior health professionals to cities and towns other than Dhaka. A robust surveillance is necessary for assessing the public health situation in Bangladesh and prompt notification of public health emergency. The relevant policymakers do need to look into the issue seriously, if they are really interested to stop outflow of funds on account of medical treatment abroad and ensure proper health treatment in homeland.

Recommendation

Training of doctors/ nurses and paramedics is a sine quo non for improving both preventive and therapeutic care. So, arrangements should be made to train round-the-year two categories of health staff- doctors and nurses belonging to first category to receive training in healthcare management/administration and the second category comprising of village quacks and SSC/HSC passed young men/women to receive training in preventive and primary therapeutic care in their respective Thana Health Complex and be designated as village health worker (VHW) to work in their own village. Some of the women will receive training in midwifery and be designated as birth attendant. The training of doctors/nurses will focus, inter alia, on patient-safety and patient-centered-care, in which healthcare is conceived of as a partnership between patients and health professionals.

Doctors will be motivated to obtain feedback from patients about their experience. Hospital administration should lay down protocols for all procedures and surgeries, and standardize treatments. Nurses will be trained to affix in every ward check-lists like hand-washing/ alcohol rubs, use sanitized gowns and gloves and stress on cleanliness. VHWs and Birth Attendants educate patients and their families, among other things, on how to maintain good health, nutrition level and maintain families' health record. Nurses can be relieved of extra duties by appointing ward clerks. Building on further institutional capacity would be the next step in the way to improving healthcare. National Health Council (NHC), which is to be headed by the Prime Minister, can provide policy directions and evaluate overall progress in healthcare. The government can constitute a National Accreditation Council with the health minister at the helm and make accreditation a mandatory requirement for all hospitals, and other healthcare providers maintain a minimum standard. A patient and family advisory council can be constituted for all hospitals, which will take care of patients' concerns including unnecessary diagnostic tests and procedures and coordinate with management board of hospitals.

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Abbreviations

Directorate General of Drug Administration (DGDA); out-of-pocket (OOP)

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