

Usefulness of Maintaining the Medical History

Md. Shahbaz Alam
Department of Medical

Teerthanker Mahaveer University, Moradabad, Uttar Pradesh, India

ABSTRACT: *Today every person visits a hospital/chemist shop or any of the institutions related to the medical in his/her lifetime a number of times. When a child takes birth in a hospital then that is the first visit of a child to a hospital. Now he/she has to visit many doctors/hospitals/chemist shops for the treatment of his diseases or infection he/she acquires from the outer environment. All this record of visiting and treatment, medicine, charges paid for the medicine, treatment and consultation fee are recorded in the medical history of a person. So, with the use of this medical history genuineness of the doctors' registration, medicines genuineness, rates of the medicines, revenue of the hospitals/ medical institutions/ chemist shops can be verified and if in case of any discrepancy required action can be taken against the malfunctioning of the particular system by the government. This technique will be very useful for the welfare of the public of a country and for the government it will be very much helpful to keep check on the working of the medical institutions and the related staff.*

KEYWORDS: *Consultation fee, Infection, Discrepancy, Malfunction, Medicine, Revenue, Assistance.*

INTRODUCTION

It starts with the birth of a child, then the medications required for a child, then check-ups and purchasing medicine, lab tests and till the death of a person with the issuance of the death certificate of a person.

Birth of a child: In today's healthcare structure as a child takes birth his full on details are firstly not recorded and secondly those details are not made online for the future reference. For the birth registration of a child, child details have to be provided to the statistical department separately which is quite complex system and tiresome too and may be wrong details can be mentioned sometimes, but the very first start of the medical history is when a child take birth in a hospital [1]. At that time the full details of the birth of a child are filled online while creating a unique medical ID and further details of the parents are also filled along with. These details are to be filled only from the authorized hospital or medical institution portal which are authorized by the government. No hospital other than authorized one will be able to fill the online details. These details of a child can also be considered as the birth certificate of a child. So, statistical department can take the birth rate data from this online portal automatically. Further these online details of a child provide the proof for the citizenship of a child for a country. Further for the filling of online details of the child a hospital has to login on the online portal using their registered login id provided by an authorized medical department of the government. Further the doctor in charge and medical staff in charge details has to be filled online and doctor will log in with his medical ID which will stored online for the lifetime.

Vaccination for the child or person: In today's healthcare system the vaccinations for the child are provided by the government or the private hospitals or some special camps are organized and for that proper awareness is required but even sometime all the children are not able to get the full vaccination because of lack of awareness due to which in the grow up stage or at some particular stage due to the lack of these vaccinations the children starts showing the abnormalities like due to lack of the injections of the vitamin A a child is more prone to the eyes problem [2]. Due to the lack of polio drops child may get polio attack and can get disabled. But with the use online medical history all the details of the vaccinations will be mentioned online portal along with their period of application. Those vaccinations which are at particular time the child parents can be made alert through sms or an alert can be seen on the online portal of that particular child. Now if the vaccination has been taken on the particular time then that vaccination will be checked and the remaining ones will remain unchecked so that proper vaccination of the child or a person can be done at a particular stage and time.

Visit to a hospital and the reception/slip counter: when a patient reaches a hospital for the check he has to mention his full details to get the slip and the fee charged can be in hefty amount by the hospital mostly when the hospital is private organization. But with the use of medical history on the online portal whenever he/she feels illness or some kind of sickness or got affected with a particular disease then he/she will visit a hospital or any of the medical institution which are registered with the government [3]. That person took the slip from the counter then that person will just tell the unique ID generated before. Then using that ID, the person at the counter will generate a slip for the person for the check-up of the person and will charge the fee as mentioned on the online already fixed for that hospital by the government whether the hospital is private or the government and the patient is free to go for the check-up. This will reduce the time to generate the slip for the patient and secondly there will be no overcharging of the fee for the consultation as it is already fixed by the government authorities on the basis of parameters like facilities provided in the hospital on the pre-decided parameters.

Visit to a doctor for the check-up, Laboratory Tests and reports: In today's healthcare system when a person visits a doctor, the doctor carries out his check-up on the patient and write down a prescription on the slip which may sometimes is not clearly understandable for a patient and secondly doctors insist for a particular laboratory for the tests [4]. Further doctor genuineness cannot be determined how much skill full he/she is in his/her profession and having experience. In today's healthcare system the tests prescribed by a doctor may be irrelevant or the amount charged for the tests may be in high amount due to the commission of the doctors or the particular hospital and the patient who is already ill and in pain with his disease feels more heat with the payment of hefty amount for the tests. but with the use of the medical history the patient goes to the concerned doctor, that doctor will open the unique Id of that person with his registered login id and after the check-up of the patient will prescribe the medicines or will write the prescription on the online portal as well as on the slip. If the doctor prescribes some laboratory test for the patient, then those test will also be shown on the online portal which can be selected from the list of test available on the online portal or by typing the

particular disease the particular test can be selected. Only those doctors will be able to login which are registered with the government and have experience in that particular field. Now as patient goes for the laboratory tests, that laboratory has to be registered one and laboratory technician can check the prescribed tests for the patient and here the technician will only be able to check the prescribed tests for the and no more details will be available to him. After conducting the tests, he can check the test conducted which will be updated online and the test charges will also be displayed online as fixed by the government so no overcharging here too. The test reports will be made available online and hard copies for the same can be made available if required.

Purchase of medicine: Today for the purchase of medicine a patient visits a reliable shop because all the shops are not reliable for him either in terms of genuineness of the medicine or in the terms of the price of the medicine[5]. Mostly what happens the chemist shops outside the hospitals carry only those medicines which are generally prescribed by the doctor due to their mutual understanding but now as the patient goes for the purchase of medicine either available inside the hospital or outside the hospital, each chemist shop will be assigned a login ID and the chemist will be login from his login id to open the unique id of the patient and check the prescribed medicine for the patient and he will only be able to check the prescribed medicine for the patient and no more details would be shared with him. For the sale of the medicine the chemist will scan the medicine bar codes and the medicines will be automatically verified for their genuineness on the online portal and also the full details of the medicines as manufacture by the industry of the manufacturing that medicine will be compared automatically and the charged rates of the medicine will also be made available online as already fixed for that particular medicine. If any injection is purchased or any of medical related things are purchased each and every thing will be mentioned online which are prescribed. Discount rate of the chemist shops can be different which depends upon the negotiation between the chemist shop and the industry.

Hospitals, medical institutions/chemist shops revenue estimation or non-transparency in the tax system: Today private hospitals, chemist shops have very high revenue generation due the charge of hefty amount of fee for the check up and the treatment and sale of medicine but the tax authorities are not fully aware about their tax paying honesty [6]. But with the help of online medical history as each and every fee charges and sale of medicine will be made online direct estimation of the tax can be done. So there will be very much transparency in tax system.

Genuineness of the doctors, chemist shops, medical stores, medical institutions: In today's healthcare system although each medical practitioner has to get register themselves but even then in rural areas some persons carry out these practices without valid license and same happens with the chemist shops [7]. But with the use of medical history as each and everything has to be online so only those persons will be able to login who are registered with the government and have a valid id and sale and purchase of medicine record with full details will be available on the online portal.

Health insurance: Today health insurance companies carry out tests on a person interested in the health insurance and thus the rate of the insurance also increases and also have to hire employees for the same but with the help of medical history of a person there will be no need to carry out separate tests as everything can be checked from the online portal but this data will be very much confidential and can be made available only to the higher authorities who can keep the data confidential [8].

REFERENCES

- [1] C. Haub and M. Yanagishita, "World Population Data Sheet," *Population Reference Bureau*. 2001.
- [2] R. Biedenbender, S. Gravenstein, and A. Ambrozaitis, "Vaccinations," in *Infection Management for Geriatrics in Long-Term Care Facilities, Second Edition*, 2006.
- [3] A. Bianco, C. Pileggi, and I. F. Angelillo, "Non-urgent visits to a hospital emergency department in Italy," *Public Health*, 2003, doi: 10.1016/S0033-3506(03)00069-6.
- [4] J. M. Smith, "The doctor will see you ALWAYS," *IEEE Spectrum*, 2011, doi: 10.1109/MSPEC.2011.6027250.
- [5] D. Sines, "Medicine at a glance," *Nursing Standard*, 2003, doi: 10.7748/ns2003.07.17.42.29.b115.
- [6] J. M. Pines, R. J. Batt, J. A. Hilton, and C. Terwiesch, "The financial consequences of lost demand and reducing boarding in hospital emergency departments," *Annals of Emergency Medicine*, 2011, doi: 10.1016/j.annemergmed.2011.03.004.
- [7] P. Orton, C. Orton, and D. P. Gray, "Depersonalised doctors: A cross-sectional study of 564 doctors, 760 consultations and 1876 patient reports in UK general practice," *BMJ Open*. 2012, doi: 10.1136/bmjopen-2011-000274.
- [8] C. Delavallade, "Quality Health Care and Willingness to Pay for Health Insurance Retention: A Randomized Experiment in Kolkata Slums," *Health Economics (United Kingdom)*, 2017, doi: 10.1002/hec.3337.