

Chikitsa - A COVID ASSISTANCE WEBSITE

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Abstract

The Internet has been a gentle source of medical data previously; it's even as lately been utilized for online private patient-doctor consultations.[1] As lately, the market has seen a surge in applications providing healthcare services on the go. a web consultation has secured an edge within the market and individuals are opening up to the likelihood of substituting a visit to a physical facility with a web option. [2]This study reports a review of the literature on online medical consultation from various databases also as various surveys and reports published. As per published work/reports/surveys, the varied factors which led to a sudden surge in online medical consultation are convenience, a shift in disease patterns, cost-effectiveness, privacy, and second opinion.

Keywords: *Virtual health, Telehealth, e-health, Telemedicine*

Introduction

Online medical consultation (OMC) is the term utilized as a neighborhood of this paper to allude to web-based remote patient-specialist (consumer-provider) medicinal discussions. With the approach of broadband and videoconferencing, numerous people have swung to online web portals to get an online consultation. Utilization of this technological innovation has numerous advantages for both the doctor as well as the patient; including cost savings, comfort, accessibility, and enhanced privacy and communication. This idea is for patients with a variety of medical needs originating from different areas of a country or several nations. Patients may pick or be assigned to any specialist/general duty doctor who is accessible on the web. They are not limited to a specific care provider either by past learning or geographical closeness. This review article aims to explore the possible reasons behind the start of a replacement era of consultation, which is online medical consultation. It examines features and themes evident within the literature and in a range of currently operating platforms providing online medical consultation.

Literature Review

This review is about online medical consultation websites, not about any particular website but made considering multiple websites. This review takes account of the overall functioning of the website, how people react to it, how they adopt it, what specifications they liked, and what problems they faced it also speaks about how can we overcome problems they faced.

Methodology

This phase involves login & registration for the users using email IDs and passwords. The user's details are maintained confidentially by maintaining a separate account for each user. Authentication is performed on MYSQL.

Our website chikitsa provides an interface to provide the basic guidelines to be followed by the patient during its quarantine.

The registered user is allowed to see the instruction that he/she has to follow during his/her quarantine.

Results And Discussions

The home page of our website basically gives a piece of short information about the website. The home page contains a login box where the user can log in with the help of the email id and password. There is also a sign-in option for the new user, by clicking on sign in the user will be taken to a registration form page where a user has to fill in all the necessary information. After signing in user has to log in through the login box by filling in the email and password.

Once the user has login, he/she will be taken to the home page of the website where the user will be able to see the information/guidelines which will suggest to the user what to do and what not to do during his/her quarantine.

Next comes the positivity page, the page contains the stories of brave frontline workers. Reading these stories will definitely boost their positive vibes which will help him to heal during the covid situation. Then comes the meditation page where the user can meditate for 10 min which can be navigated by the timer of 10 min on the page. lastly the Aqualart, we know that hydration is essential, especially during the covid situation.

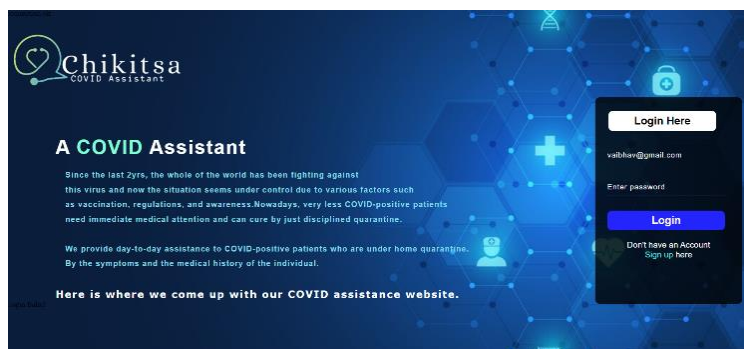


Fig 1 Home page of the website

#name	lname	phone	address	email	pssa	cpss	Age	Weight	Saturation	gender	fever	cough	Tasteless	diabetes	tb	Asthma	Heart
0					0	0	0	0									
vaibhav	kadam	123456789	ambajogai	vaibhav.kadam21@vit.edu	123456	123456	19	74	92	male	yes	yes	yes	yes	no	no	no
vaibhav	kadam	123456789	ambajogai	vaibhav.kadam21@vit.edu	123456	123456	19	74	92	male	yes	yes	yes	yes	no	no	no
om	kadam	123456789	ambajogai	vaibhav.kadam310720@gmail.com	123456	123456	18	50	92	male	yes	yes	yes	yes	no	no	no
om	kadam	123456789	ambajogai	vaibhav.kadam310720@gmail.com	123456	123456	18	50	92	male	yes	yes	yes	yes	no	no	no
hansh	kadam	123456789	optod	vaibhav.kadam21@vit.edu	123	123	18	58	92	male	yes	yes	yes	yes	no	no	no
shrinwas	gohil	123456789	ambajogai	shrinwasgohil@gmail.com	1234	1234	19	50	92	male	yes	yes	yes	yes	no	no	no
prathvish	kadam	123456789	negar	prathvish@gmail.com	1234	1234	19	70	93	male	yes	yes	yes	yes	no	no	yes
om	kadam	123456789	puna	omk@gmail.com	1234	1234	18	50	92	male	yes	yes	yes	yes	no	no	no
v	k	123456	609	vaibhav.kadam310720@gmail.com	1234	1234	0	0	0								
v	k	123456	609	vaibhav.kadam310720@gmail.com	1234	1234	0	0	0								
a	h	21345	anjaj	vaibhav@gmail.com	1234	1234	18	75	95	male	yes	yes	yes	yes	no	no	no

Fig 2 Database for the website

Area of Concern

1. It can fail in terms of internet connectivity on either side or in terms of a low level of care provided from the doctor's side.
2. Some specialties essentially are not helpful to virtual care, such as physical therapy or orthopedic follow-ups.
3. This model of care also raises the question of whether more medical tests and investigations will be ordered in the absence of being able to physically conduct a physical examination of the patient.
4. It also puts a doctor in the difficult situation of making a diagnosis without a proper understanding of the patient's medical history and social context, in addition to removing the opportunity to conduct a physical examination.

Suggestions

1. A personal touch and rapport building during an online conversation between doctor-patient is the need of the hour.
2. Instead of stating a diagnosis online, a list of differential diagnoses can be suggested to the patient.
3. Prevention should be the main theme of discussion online instead of treatment.
4. In case of the non-availability of doctors or a busy schedule, the appropriate waiting time is to be mentioned to the patients.
5. A user-friendly interface so that the patient can attach all reports of the tests as well as previous treatment records including prescriptions since it will help the doctor to give you more appropriate advice.

Conclusion

From research papers, it can be concluded that online consultation is an easy and convenient way to treat patients. Also, it can be very useful for treating patients with minor symptoms. Also as it is more economic, people prefer it.

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REFERENCE

- [1] Ibrahim Al-Mahdi, Kathleen Gray, Reeva Lederman. Online Medical Consultation: A review Of literature and practice, 2015. Available at: <http://crpit.com/confpapers/CRPITV164Al-Mahdi.pdf>. Accessed on 6 March 2018

- [2] Janet B. Prince. Health care crisis in America. 6th ed. New York, NY: Nova Science Publishers, Inc; 2006.
- [3] Edwards HB, Marques E, Hollingworth W, Horwood J, Farr M, Bernard E, et al. Use of a primary care online consultation system, by whom, when and why: evaluation of a pilot observational study in 36 general practices in South West England *BMJ Open*. 2017;7:e016901.
- [4] Sharma M, Majumdar D. Disease patterns in India are shifting; are entrepreneurs prepared to fix healthcare in India? 2017. Available at: <https://yourstory.com/2017/11/disease-patterns-india/>. Accessed on 20 January 2018.
- [5] Rideout V. Generation Rx.com: how young people use the Internet for health information. 2001. Available at: <http://www.kff.org/content/2001/20011211a/GenerationRx.pdf>. Accessed 20 January 2018.