

**Perception of Doctors towards Use of Mobile Medical
Applications, Networking Sites and Websites**

**Internship Training
at
Macleods Pharmaceuticals Ltd.**

**By
Manisha Rathore**

**Under the Guidance of
Mr. Rahul Sharma**

**Post Graduate Diploma in Pharmaceutical Management
2012-2014**



**Institute of Health Management Research,
Jaipur
2014**

**INSTITUTE OF HEALTH
MANAGEMENT RESEARCH**

1, Prabhu Dayal Marg
Sanganer Airport, JAIPUR - 302 029, INDIA
Tel. : 3924700, 2791431-32
Fax : 91-141-3924738
E-mail : iihmr@iihmr.org
URL : <http://www.iihmr.org>
Gram : HEALTHINST

TO WHOMSOEVER MAY CONCERN

This is to certify that MANISHA RATHORE student of Post Graduate Diploma in Pharmaceutical Management (PGDPM) from Institute of Health Management Research, Jaipur has undergone internship training at INSTITUTE OF HEALTH MANAGEMENT RESEARCH, JAIPUR from 3rd FEBRUARY, 2014 to 30 APRIL, 2014.

The Candidate has successfully carried out the study designated to him during internship training and his approach to the study has been sincere, scientific and analytical.

The Internship is in fulfillment of the course requirements.

I wish him all success in all his future endeavors.



Dean, Academics and Student Affairs
IIHMR, Jaipur


28/5/14

Professor
IIHMR, Jaipur

CERTIFICATE

TO WHOM IT MAY CONCERN

This is to certify that Ms. Manisha Rathore, student of IIHMR, JAIPUR has successfully completed 2 months internship at Macleods Pharmaceuticals Ltd., Sarigam. During this period of internship programme she was found sincere and hardworking.

We wish her every success in life.



Mr. Hari Prasad Rath

(General Manager, Operations,

Macleods Pharmaceuticals Ltd, Sarigam)

**INSTITUTE OF HEALTH
MANAGEMENT RESEARCH**

1, Prabhu Dayal Marg
Sanganer Airport, JAIPUR - 302 029, INDIA
Tel. : 3924700, 2791431-32
Fax : 91-141-3924738
E-mail : iihmr@iihmr.org
URL : <http://www.iihmr.org>
Gram : HEALTHINST

INSTITUTE OF HEALTH MANAGEMENT RESEARCH, JAIPUR

CERTIFICATE BY SCHOLAR

This is to certify that the dissertation titled "PERCEPTION OF DOCTORS TOWARDS USE OF MOBILE MEDICAL APPLICATIONS, NETWORKING SITES AND WEBSITES" submitted by MANISHA RATHORE Enrollment No.185 under the supervision of Mr. RAHUL SHARMA for award of Postgraduate Diploma in Hospital and Pharmaceutical Management of the Institute carried out during the period from 2012 to 2014 embodies my original work and has not formed the basis for the award of any degree, diploma associate ship, fellowship, titles in this or any other Institute or other similar institution of higher learning.

Manisha

Signature

ACKNOWLEDGEMENT

I would like to express my sincere gratitude towards Macleods Pharmaceuticals Ltd. for giving me an opportunity to work on this project and also for providing a good working ambience for successful completion of this project.

For the successful completion of my work, I am thankful to Mr.Hara Prasad Rath (Gen.Manager-Operations) for his guidance and support. Without his encouragement, guidance and interest, this project would not have materialized.

I would like to thank Mr. Rahul Sharma (Assistant Professor, IIHMR) for sharing his valuable expertise and guidance all through the completion of this project.

I would also like to sincerely thank all the employees of Macleods Pharmaceuticals Ltd, who either directly or indirectly contributed towards completion of the project and for their patient co-operation.

I would like to express my sincere thanks to my Institute IIHMR, Jaipur for providing me all kind of support during the completion of this project.

TABLE OF CONTENTS

Sr No.	Contents	Page No.
1.	Company Profile	4
2.	Executive summary	6
3.	Introduction	7
4.	Literature Review	11
5.	Research Methodology	13
6.	Analysis	14
7.	Recommendation	28
8.	Questionnaire	30
9.	Reference	32

COMPANY PROFILE

Incorporated in 1986 by Dr. Rajendra Agrawal, Macleods Pharmaceuticals Ltd. is a Global Healthcare Company with an experience spanning over 2 decades. It is an expertise in different formulations ranging from tablets to sterile dosage form and from inhalation to novel drug delivery system.

Macleods is focused on increasing the momentum in the business through organic growth routes. Growth is well spread across geographies with focus on key therapeutics segments. Macleods has forayed into high growth potential segments like Cardiovascular, Diabetes, Orthopedics, Gynecology, Respiratory and Oncology. These new growth areas will add significant depth to the existing product pipeline.

Today Macleods features amongst Top 10 companies in India and is recognized as one of the fastest growing companies. Macleods currently makes a large portion of the active ingredients that make up its products and has manufacturing capacity of over 8.0 billion tablets and capsules.

Macleods' product portfolio encompasses a wide spectrum of therapeutic groups, ranging from Anti-TB, Asthma & COPD, Anti bacterial, NSAID, Anti-arthritis, Anti-osteoporotic, Gastroenterology, Gynecology, Diabetology and CVS products.

Macleods today has several marketing divisions that stay focused on specific therapeutics segments. This focused approach provides the required impetus to the company through enhanced relationship with the medical specialties and also improves the market penetration.

Macleods has its presence in more than 80 countries. With established presence in South East Asia, Asia Pacific, Africa, North America, EU & EEA, MENA, Latin America and CIS countries.

(Macleods is now making its presence felt in the global pharmaceutical market.)Macleods operates its International business through various business models like Private Markets, Tenders, Licensing, Contract manufacturing and Joint Ventures.

It also has successfully leveraged its production and Research & development competency for supplying affordable quality pharmaceuticals across the globe.

Macleods is in the process of establishing an extensive marketing and distribution network in all the countries of presence and (company pays more attention to expand its product portfolio) via registration and launch of novel pharmaceutical products.

The Regulatory Affairs team with high level of proficiency plays a key role in earning registrations of Macleods products across the globe. In a record time Macleods today has over 1500 registrations across the globe.

Macleods has established its Representative office in the CIS countries, Africa, South East Asia and Latin America looking into the business potential and the necessity of being at the centre of action.

Today,Macleods enjoys unique position in many private markets because of it's "know-how" in marketing and highly professional sales and marketing team, who are the core power of their competitiveness and guarantee of their success.

EXECUTIVE SUMMARY

Social media is ubiquitous. Health care industry and digital world collide so dramatically. Since the introduction of electronic health records, telemedicine and mobile devices, modern medicines have benefitted greatly from these technologies. There are hundreds of blogs, forums and social networking sites offering medical advice, patient support and health related news 24/7. Doctors are embracing the use of Facebook, Twitter, LinkedIn and Youtube as a way to strengthen the doctor-patient relationship in addition to simplifying the way health news is received and distributed.

The purpose of this report is to study the preference for the use of websites, networking sites and mobile applications by the doctors, and determine the potential use of medical (paid and free) websites and mobile applications by the doctors.

It is a syndicated report, based on the primary market research with cardiologists, physicians, and diabetologists which provides a comprehensive view of the current and expected future use of websites, networking sites and mobile applications by the doctors which helps them in their profession.

The type of research methodology adopted for the study is Descriptive Research and the Sampling Technique used for the study is based on Convenience. Data collection involved both primary data and secondary data.

1. Primary data-Survey method was used to collect the primary data. Looking to the nature of study, a structured questionnaire was used.
2. Secondary data- It has been collected from reports, journals, articles and ORG data.

Research will cover following points-

- Extent of use of e-online websites by the doctors
- Use of networking sites that will help the doctors professionally
- Scope of mobile applications in the regular clinical practice of the doctors
- Extent of current satisfaction with the use of networking sites and mobile applications

INTRODUCTION

e-ONLINE MEDICAL WEBSITES:

The health industry is responding to the increasing popularity and availability of technological innovations, such as tablets and smartphones.

Health and wellbeing applications are estimated to make up approximately 40% of new smartphone apps currently being developed. This is a huge market and only set to increase as the benefits become more apparent and smartphone and tablet technology become more widespread.

Health applications have the potential to be adapted and used by healthcare professionals and consumers, helping to revolutionise the sector and reflect the digital age we live in.

NETWORKING SITES:

Social networking sites can be a great way for healthcare professionals to network with colleagues and share health information. However, they should be aware of the potential risks of using social media, and especially use caution when connecting with patients online.

Healthcare professionals, including physicians, nurses, pharmacists, and physical therapists, have plenty of options when it comes to establishing an online presence. Like all of us, they can start a blog or join networks like Facebook, Twitter, LinkedIn, and MySpace. There are also online communities exclusively for healthcare practitioners.

Although it has taken them time to catch up, healthcare professionals have entered Health 2.0 and are now turning to ways they can personalize health care, collaborate, and promote health education.

SOCIAL USE BY HEALTHCARE PROFESSIONALS:

As social media grows, so does its use by healthcare professionals.

Healthcare organizations entering the social network need to make sure they have social media policies that specify what uses by their employees are permitted and prohibited.

In order to draw clear lines drawn between interactions as a healthcare provider and those as a friend, some advise keeping separate personal and professional social networking accounts. When carefully handled, social media can help strengthen the relationship

between the patient and their healthcare provider.

MOBILE APPLICATIONS:

We are now relying more and more on our various mobile devices to complete many every day, even the more complicated, tasks for us. Users from all fields are increasingly using their smartphones and tablets for their extreme multitasking abilities and their efficiency. The medical field is no exception. Where medics and paramedics of the bygone days used expensive medical equipment to help patients during emergencies, they now use their highly data-driven, easy-to-use and much less expensive mobile devices and the medical apps available therein

Issues Faced by Medical Mobile App Developers

However, developers of medical apps often face many issues while creating the same. They are as follows:

- Results not Always Predictable

No matter how much an app developer tries to create a foolproof medical app, he or she can never be certain that it be totally trouble-free, until and unless it has actually been developed and deployed to a particular mobile platform.

Certain issues may crop up during the testing phase of the app and that is when the actual problem will arise, while trying to fix the problem.

- No Life-Saving App Available

The US Food and Drug Administration acknowledges the tremendous utility of medical apps. In fact, research indicates that the number of smartphone users taking advantage of medical mobile apps by way of mobile healthcare, may rise to an amazing 500,000,000 by the year 2015.

However, no developer can ever claim to create a life-saving app. The available apps are good to test a certain condition, but they cannot hope to bring relief to a critically ill patient. Not only that, these apps can be dangerous for use to patients in case there have been technical glitches during the app development or testing phase.

- Fragmentation of Mobile Platforms

One of the biggest issues faced by developers of medical mobile apps is the variety of mobile devices today, as also operating systems. While these issues are big enough to tackle, there are also the other problems such as non-standardization of mobile design, network connectivity issues and so on.

Creating apps for different mobile devices with different mobile features and requisites can pose a huge challenge to the developer. Cross-platform formatting and choosing the right mobile platform or platforms poses an even bigger problem.

The above issues may collectively result in a medical app that does not quite meet the expectations of the end-user.

LITERATURE REVIEW

Social media and its relevance to health care have received significant recent attention. Much of the focus has been on whether the medical community should be active in this new medium and what is appropriate and professional. Less well-covered has been a comprehensive view of how clinicians can use social media to improve patient care. This is an important issue, given the speed with which social media has become a daily aspect of communication for patients, physicians and other health care stakeholders⁽¹⁾

Smartphones have become ubiquitous among the general public. From internet to email, they offer *onthe go* access to information never before possible. Within the healthcare population, the utilisation of smartphone and other mobile devices, such as the personal digital assistant (PDA) and handheld tablets, has the potential to have a positive impact upon patient care. Specifically, by providing personnel with immediate access to medical and health information, this technology can lead to improved decision-making and reduced numbers of medical errors, improved communication between hospital medical staff and enhanced telemedicine capability⁽²⁾.

Doctors are now able to hold textbooks on their smartphone and use resources such as medical calculators and drug formularies. Moreover these apps update themselves, and are relatively easy to produce and release. While early literature focused on properties such as remote information access and improved communication, the recent trend has been for personnel or departments to use this technology to develop customised apps to improve an area of work. Visualisation of radiological images on smartphones, so-called 'teleradiology', has been a popular area of research, as have clinical guideline/decision support apps^(3,4).

The mobile health apps available today generally display a low-to-medium level of sophistication, with many providing limited benefits for patients, doctors and health interested smartphone users. Five years from now, the mobile health market will be a mass market with a reach of more than 3.4 billion smartphones and tablets with access to mobile apps, according to research2guidance's new report, "Mobile Health Market Report 2013-2017: The Commercialization of mHealth Applications."⁽⁵⁾

By 2017, research2guidance forecasts that 50 percent of mobile users will have downloaded mobile health apps.⁽⁵⁾

Social media sites can be a great way for healthcare professionals to network with colleagues and share health information. However, they should be aware of the potential risks of using social media, and especially use caution when connecting with patients online⁽⁶⁾.

Doctors too use social networking sites for professional purposes, but not all of them to the same extent. A study conducted by Cegedim Strategic Data, a leading provider of healthcare market research shows that Japanese doctors are the biggest fans of online medical communities, with 78% of the medical profession in Japan making use of them. Next in line come doctors in China (55%), India (54%) and Russia (52%). In contrast, less than half of all doctors in European countries take part in online medical communities. In Spain the figure is 48%, in the United Kingdom 40%, and 39% in Germany. The countries which are the least advanced in the adoption of such dedicated communities are Italy (15%) and – lagging far behind – France with 9%.⁽⁷⁾

Before jumping on the bandwagon, healthcare professionals are advised to be mindful of the possible ramifications of posting health information on social media sites. Potential legal issues can involve patient privacy, fraud and abuse, tax-exempt status, and physician licensing. Organizations entering the social network need to establish social media policies⁽⁸⁾.

The pharmaceutical industry has been actively exploring social media. For the vast majority of medical technology companies, social media represents a completely new opportunity to communicate with their customers. Both players should consider ways to engage and utilize online patient communities. Providing support and resources through these sites is one way to go, but much could also be learned from these sites about patients' experiences and needs. Actively tapping into such forums could supplement efforts around innovation, product development and customer/patient services⁽⁹⁾

So after reviewing the literature this study has been designed to understand the perception of the doctors towards use of mobile medical applications, networking sites and websites in their clinical practice in India. Also to study their current level of satisfaction with the available options and the extent of usage of the same by the doctors.

RESEARCH OBJECTIVE

MAIN OBJECTIVE

To understand doctor's perception towards use of networking sites, mobile medical applications and websites

SUB OBJECTIVES

- To get insight about the use of e-websites, networking sites and mobile applications by doctors in their clinical practice.
- To study extent of usage of medical websites
- To understand the current level of satisfaction of the doctors in using these online websites, networking sites and medical mobile applications.

RESEARCH METHODOLOGY

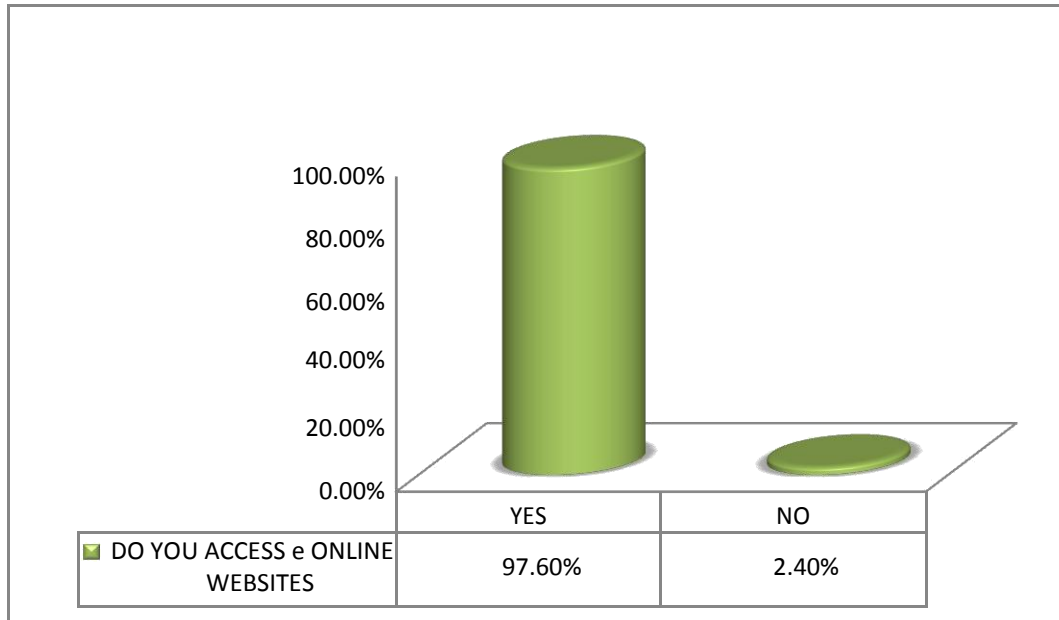
SR NO.	PARAMETERS	DESCRIPTION
1.	Research type	Qualitative and Quantitative
2.	Data collection	Primary and secondary
3.	Measurement Technique	Structured questionnaire
4.	Sample selection	Speciality wise
5.	Sample size	90
6.	Sample unit	Physician,Diabetologist,Cardiologist
7.	Sampling technique	Convenience sampling
8.	Analysis technique	Using Microsoft Excel

➤ AREA COVERED FOR PRIMARY DATA COLLECTION-

Ahmedabad

DATA ANALYSIS AND FINDINGS

1. Do you access e- online websites?

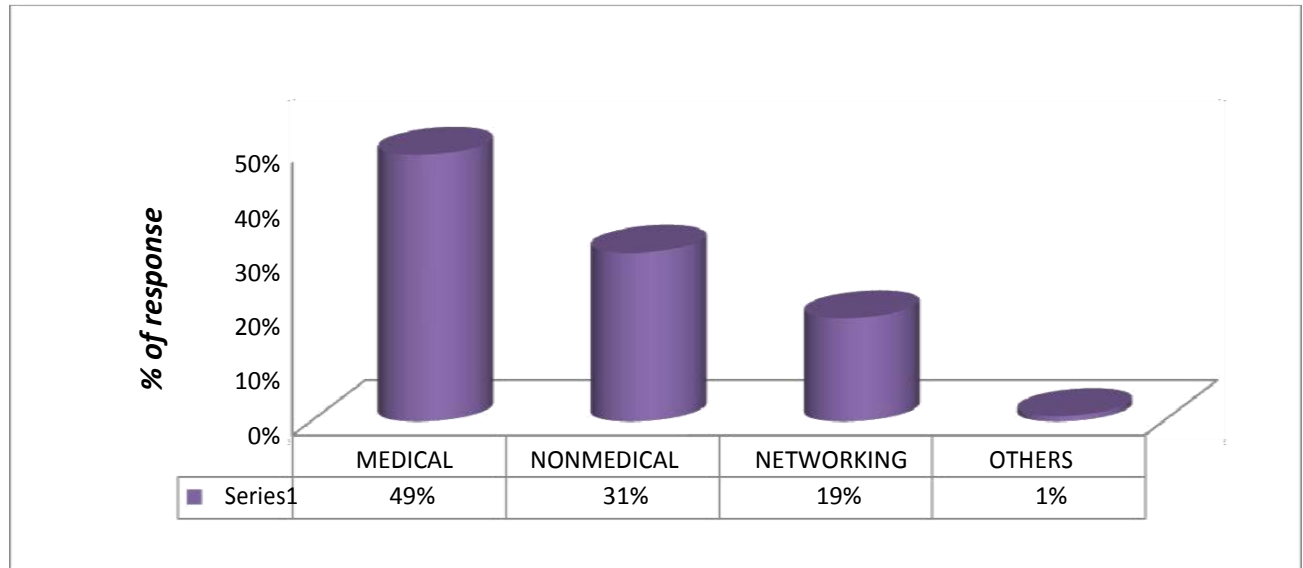


OBSERVATIONS

Around 97.6% of the doctors access the e online websites.

Of the 97.6% doctors accessing the e-online websites around 20% of the doctors have recently started using the websites and networking.

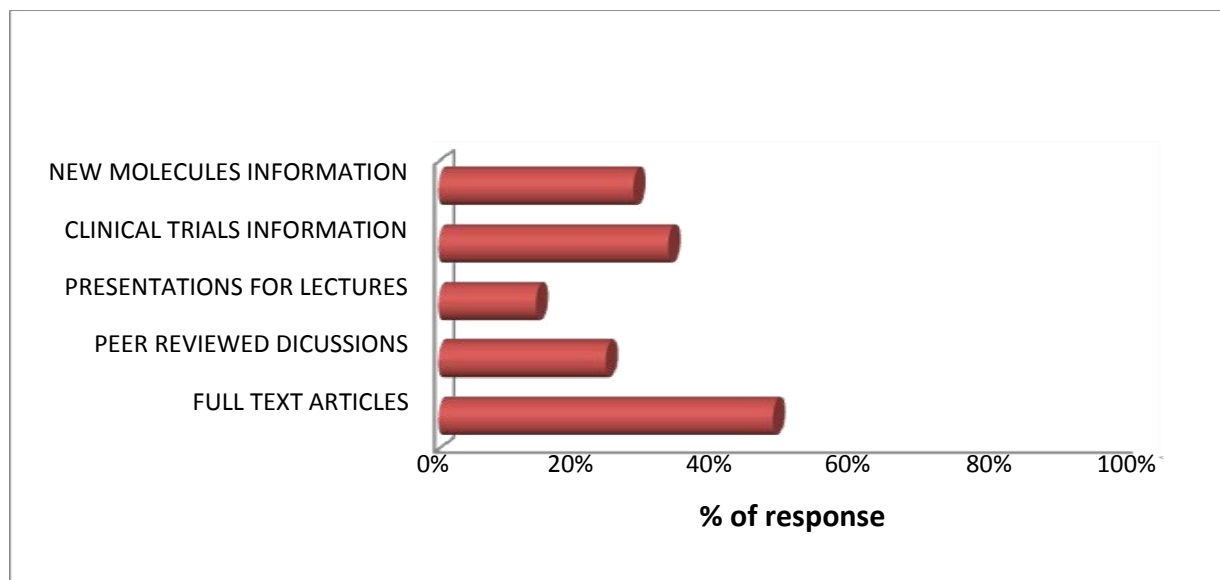
2. If YES, for which of the following purpose do you access?



OBSERVATIONS

Around 49% of the doctors access the medical websites, followed by non-medical sites(31%), networking((19%) and others(1%)

3. What information do you usually look for in medical sites. Please rank your preferences?

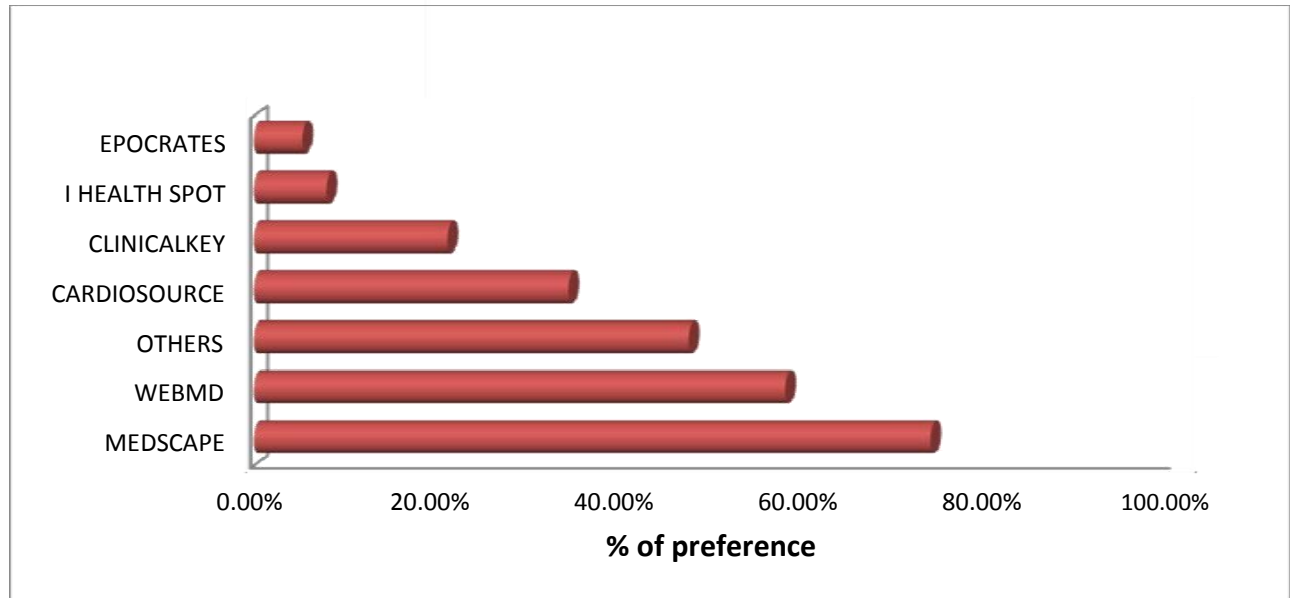


OBSERVATIONS

Around half of the doctors prefer full text articles followed by clinical trials information(33%), new molecule information (28.5%), peer reviewed discussions(24%) and presentations for lectures(14%).

The overall preferences of doctors using the medical sites is more for Full text articles(64%) followed by Clinical trials information(53%), New molecule information(52%), Peer reviewed discussions(44%) and Presentation for lectures(34%)

4. Mention the top 3 medical sites you access the most?

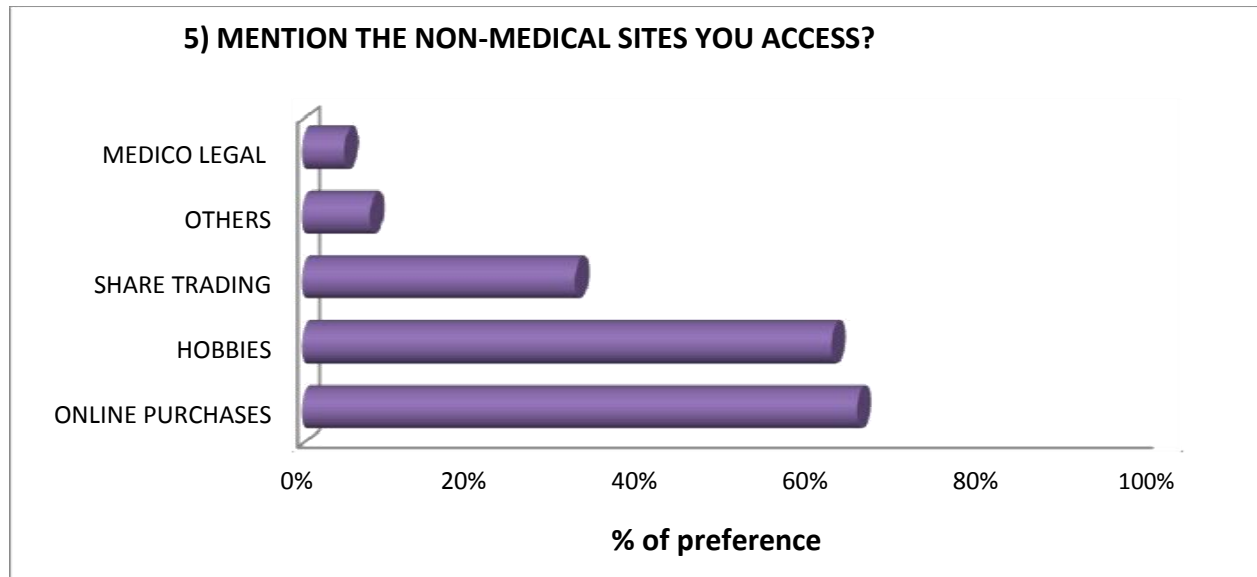


OBSERVATIONS

Majority of the doctors ranked Uptodate (73.6%) PUBMED(63%) and WEBMD (57.8%) as the TOP 3 medical sites they access the most.

Majority of the doctors preference is more for Uptodate(73.6), followed by WEBMD(57.8%) and others: where the prefer PUBMED(963.6%) and NEJME(22.7%), MEDSCAPE(3%).

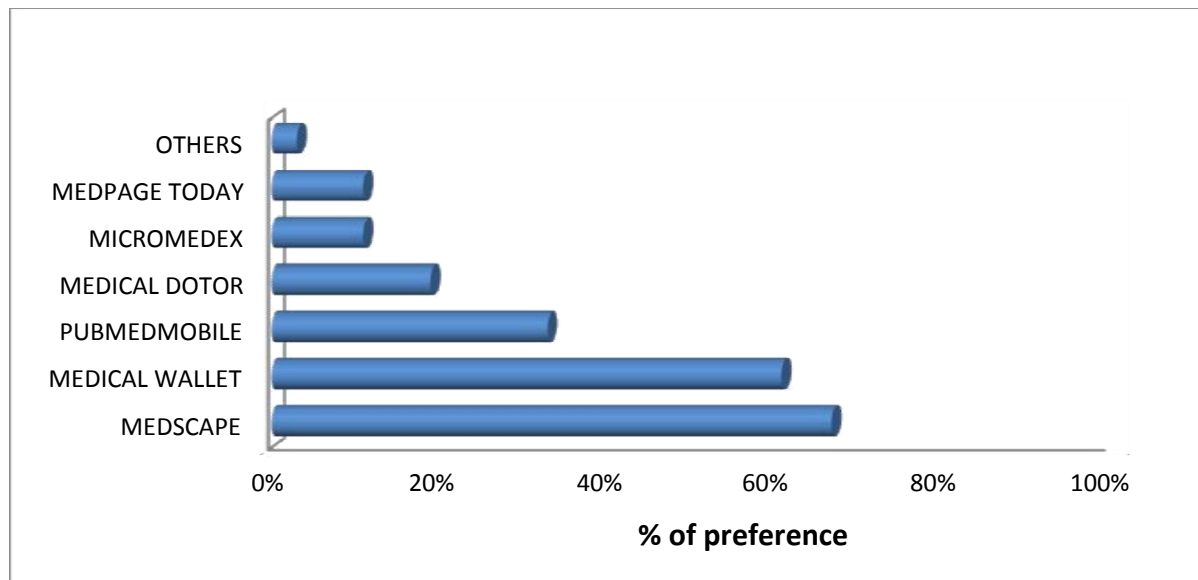
5. Mention the non-medical sites you access?



OBSERVATIONS

Majority of the doctors access entertainment sites(78.3%) generally Youtube(movies, songs) followed by Online purchase sites(64.8%) mostly Flipkart and Hobbies(62.16%), Share trading(sharekhan.com)(32.43%) and Others(8.10%).

6. Which of the following application do you access?



OBSERVATIONS

About 66.6% of the doctors access MEDSCAPE, followed by PUBMED mobile application(33.3%) and Medical Doctor(19.4%).

7Q. Mention utility of a networking site has in your practice?

This question was unanswered by most of the doctors. Hence, majority of the doctors not aware of the utility of a networking site has in their clinical practice.

8Q. What would you look for a networking site that will help you professionally?

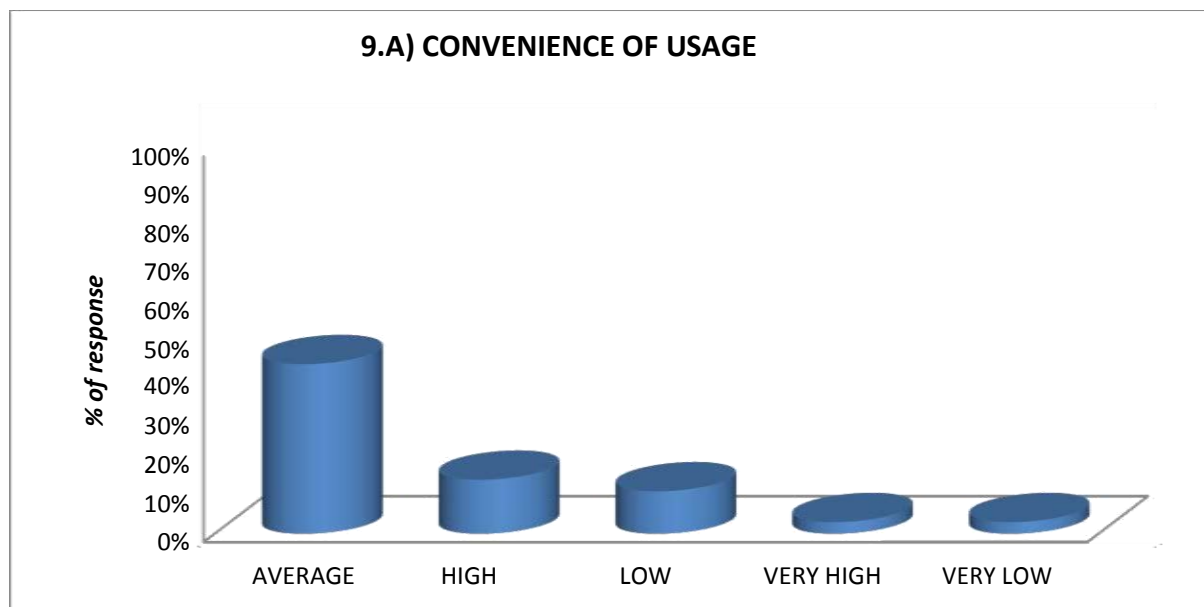


Majority of the doctors that they generally look the networking sites for the following purpose:

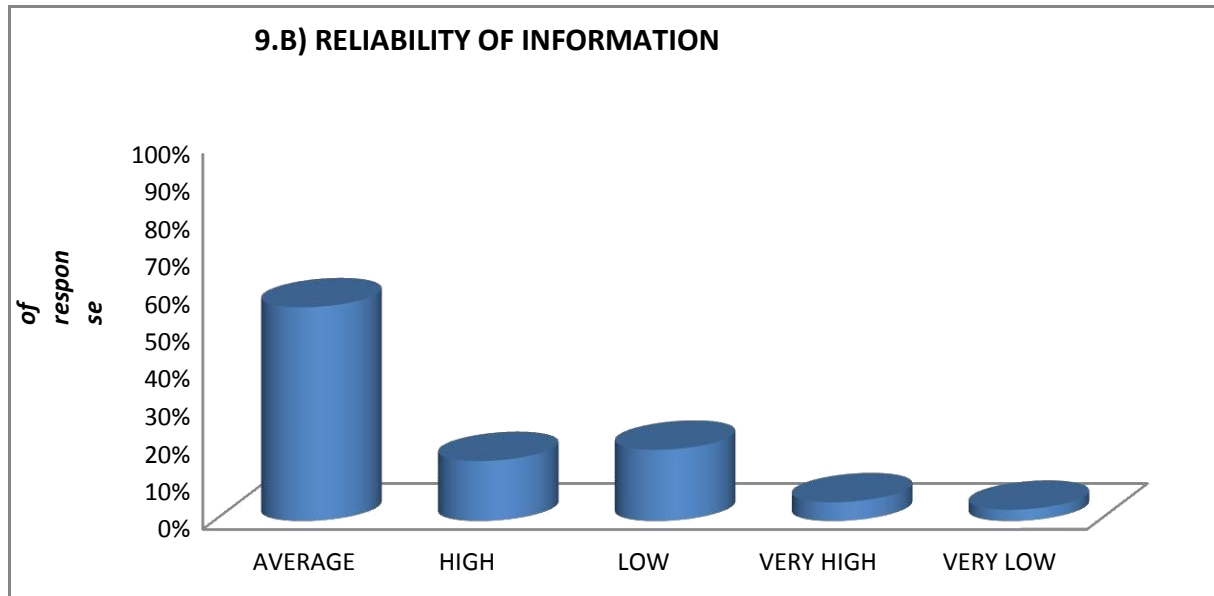
- ☐ Case discussions.
- ☐ Information sharing.
- ☐ Knowing the experience in using a therapy or drug.
- ☐ Personal use.

9Q. Please specify your current level of satisfaction using medical sites based on the following parameters?

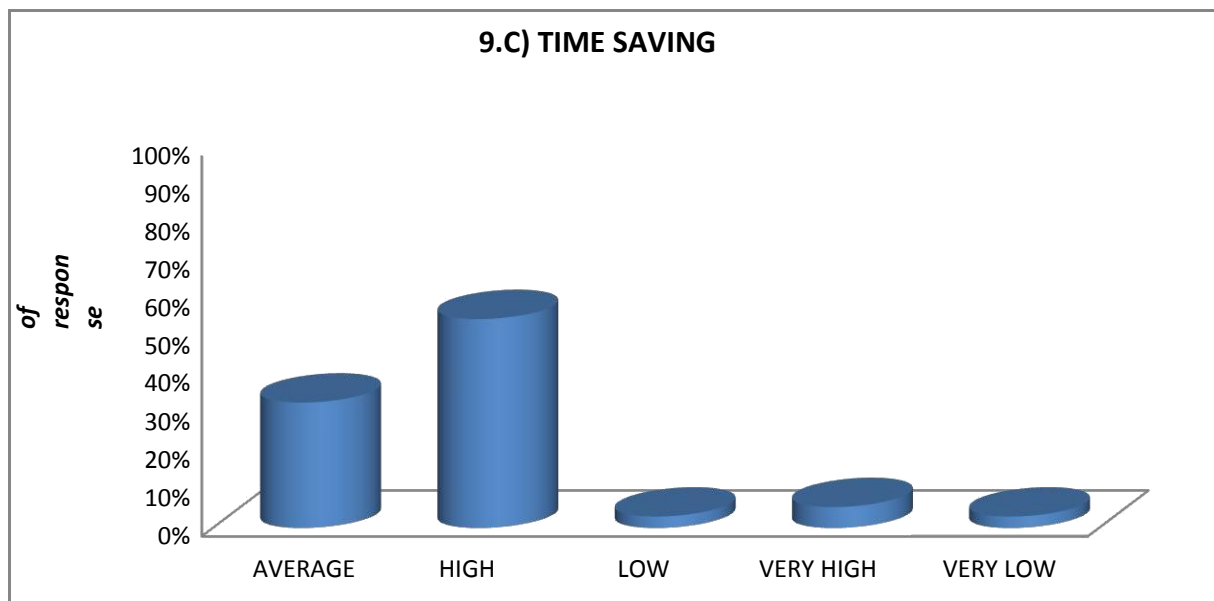
9. A) CONVENIENCE OF USAGE:



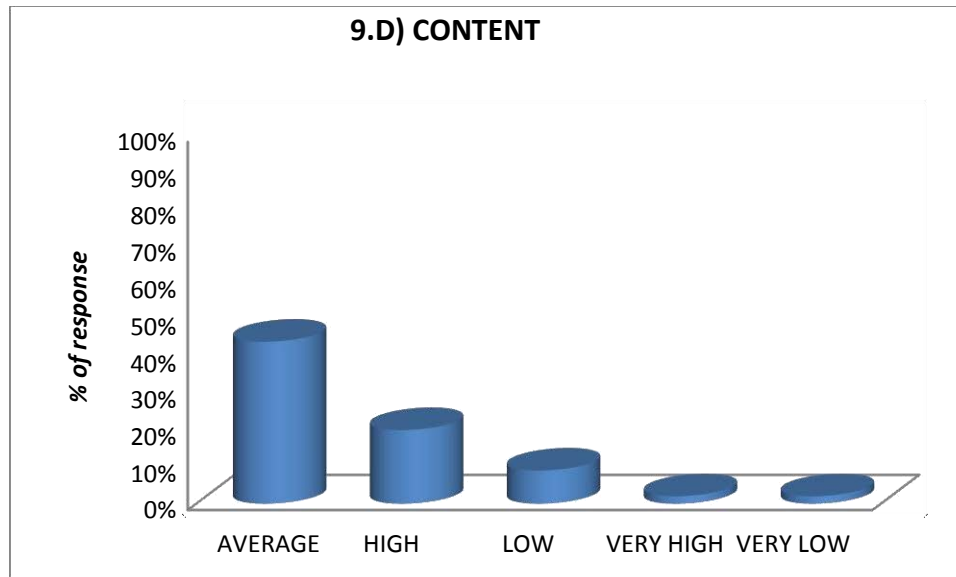
9. B) RELIABILITY OF INFORMATION:



9. C) TIME SAVING:



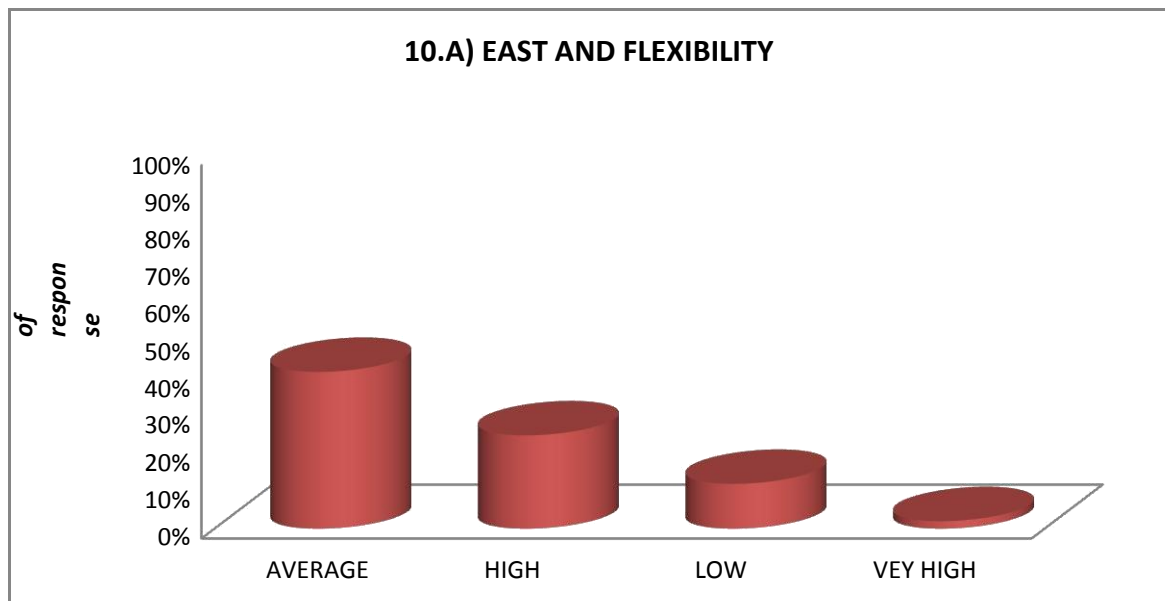
9. D) CONTENT:



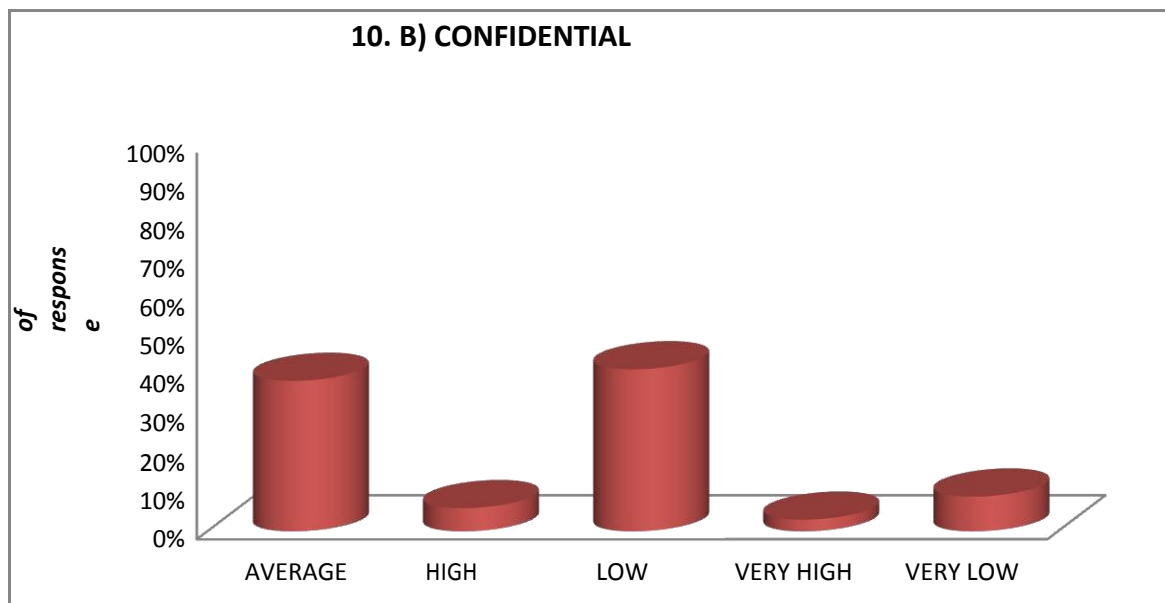
Majority of the doctors using the medical sites have the current satisfaction level: Average level of satisfaction with convenience of usage, reliability of information and content and high level of satisfaction with time saving parameter.

10Q. Please specify your current satisfaction level using the applications?

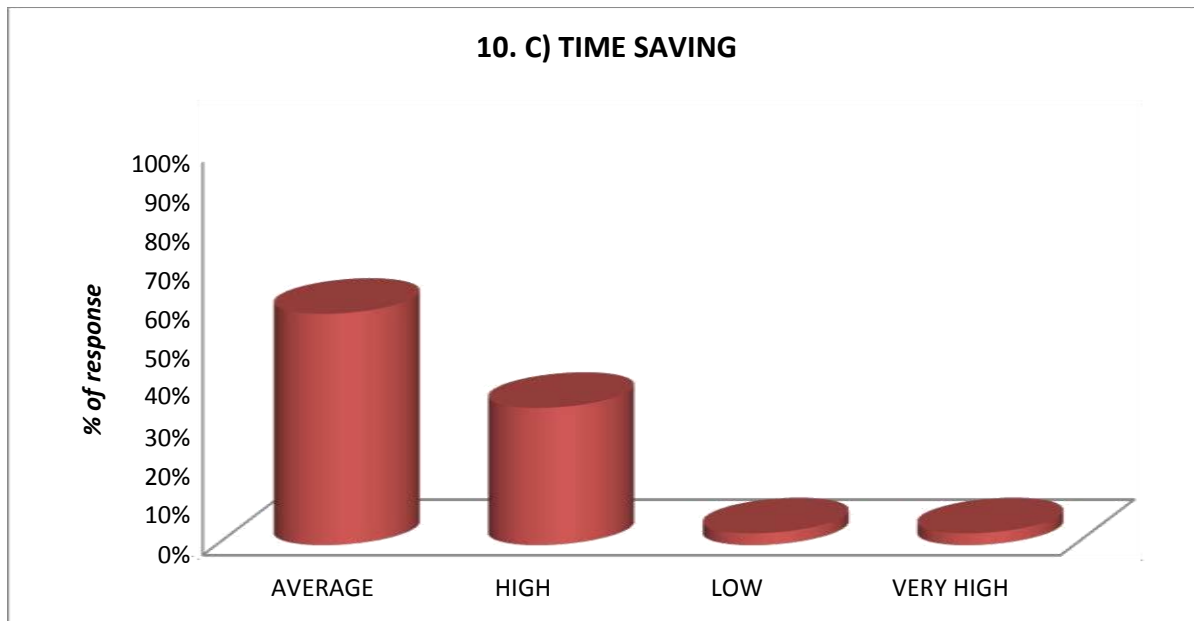
10. A) EASY AND FLEXIBILITY IN USAGE:



10.B) CONFIDENTIAL:



10. C) TIME SAVING:



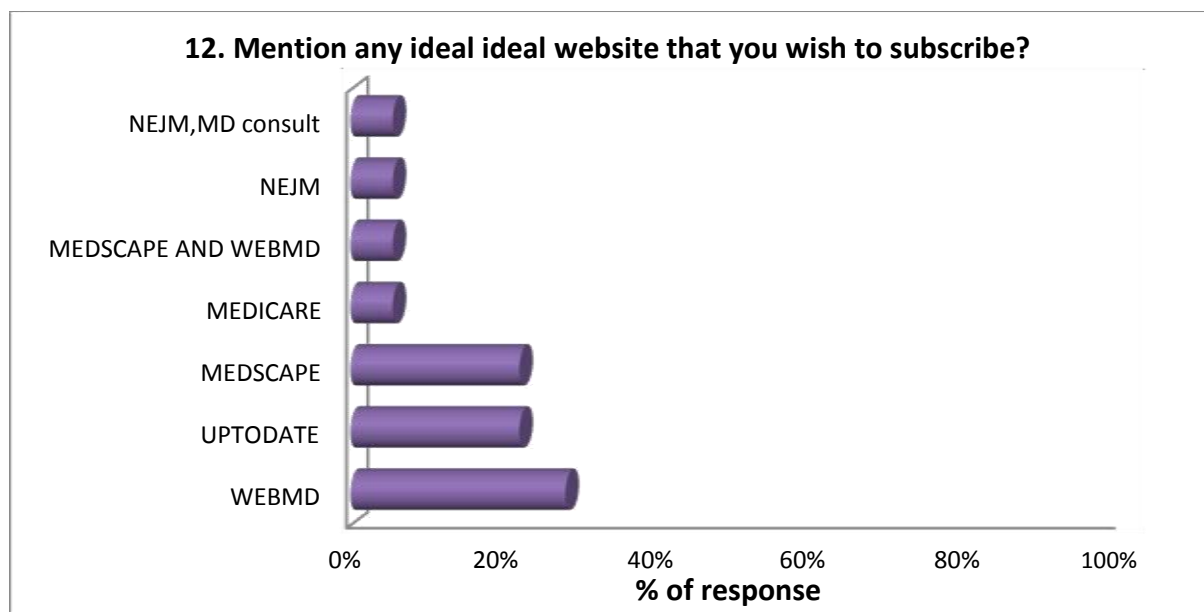
Majority of the doctors using the medical applications have the current satisfaction level: Average level of satisfaction with time saving and easy and flexibility in usage and have low level of satisfaction with confidentiality of usage and information.

11Q. Please give your comments on the impact of use of websites, applications and networking sites on current medical practice?

Common responses of the doctors are:

- ✓ Good and very useful.
- ✓ Ease of access, time saving.
- ✓ Helpful too greater extent keeping updated with the latest information.

12Q. Mention any ideal websites that you wish to subscribe?



OBSERVATIONS

Around 28% doctors prefer webmd, followed by medscape(22%), uptodate(22%) medscape and webmd, nejm, pubmed, medicare (5.5% each).

CONCLUSION

- Majority of the doctors accessing the online websites have almost equal proportion of use of the medical and non medical websites, followed by the networking sites.
- Although, the complete professional use of the networking sites has not been completely utilized by many of the doctors.
- Maximum doctors prefer to look for the full text articles and clinical trials information and new molecules information in the medical websites.
- Major proportion of the doctors access up to date, pubmed and webmd medical sites and access entertainment, online purchases and hobbies related sites (non-medical sites).
- Applications most commonly accessed by the doctors are medscape, pubmed mobile and medical doctor.
- Majority of the doctors using the medical sites have the current satisfaction level: Average level of satisfaction with convenience of usage, reliability of information and content and high level of satisfaction with time saving parameter
- Majority of the doctors use networking sites for information sharing and for the latest reviews and case discussions.
- Majority of the doctors using the medical applications have the current satisfaction level: Average level of satisfaction with time saving and easy and flexibility in usage and have low level of satisfaction with confidentiality of usage and information.
- The overall use of the medical websites by the doctors is prominent than the use of mobile medical applications.

RECOMMENDATIONS

- ✚ The use of medical websites, networking sites and applications, their benefits and impact on clinical practice should be emphasized more while targeting various doctors through advertisements.
- ✚ Frequent interaction and regular E-mail, SMS drop to the doctors regarding the applications and the upgraded and new versions available will help to drag the doctor's attention.
- ✚ Use of 3D-leaflets, attractive brochures, giving free trial of the application for a period of time will help attract the doctor's.
- ✚ Application usage demo and experience sharing during the Doctors Group Meeting can help in easy penetration and information spread.
- ✚ Medical students (Final year) can be targeted more, as it is easy to communicate and convince.
- ✚ Identification of key opinion leaders and with effective use of their influencing capabilities also helps in wide spread of awareness among the doctors.
- ✚ Pharma and med tech companies should also leverage online physician communities as a new way of reaching rapidly growing numbers of clinicians. Such sites provide ample opportunities to educate customers about their products, and to provide physicians with patient education materials and other tools - perhaps even finding ways to collaborate on things such as adherence solutions

REFERENCE

- 1) Mary Modahl, Lea Tompsett, Tracey Moorhead, Doctors, Patients & Social Media, published on September 2011.
- 2) Karl Frederick Braekkan Payne, Heather Wharrad and Kim Watts, Smartphone and medical related App use among medical students and junior doctors in the United Kingdom (UK): a regional survey, BMC Medical Informatics and Decision Making 2012, 12:121
- 3) Takao H, Murayama Y, Ishibashi T, Karagiozov K, Abe T: A new support system using a mobile device (smartphone) for diagnostic image display and treatment of stroke 2011 43:236-239
- 4) Modi J, Sharma P, Earl A, Simpson M, Mitchell JR, Goyal M: iPhone-based teleradiology for the diagnosis of acute cervico-dorsal spine trauma Can J Neurol Sci 2010, 37:849-854
- 5) www.fda.gov/medical devices/products and procedures, page accessed on 12/04/2015
- 6) Greg Slabodkin, Use of mobile medical apps in clinical settings risky, published in Fierce Mobile Healthcare on January 21, 2014
- 7) Cooper CP, Gelb CA, Rim SH, Hawkins NA, Rodriguez JL, Polonec L Physicians who Use Social Media and Other Internet-based Communication Technologies, J Am Med Inform Assoc. 2012;19(6):960-964.
- 8) Scott D. Danzis and Christopher Pruitt, Rethinking the FDA's Regulation of Mobile Medical Apps, Published in The SciTech Lawyer, Volume 9, Number 3, Winter/Spring 2013.
- 9) Jill T. Boruff, MLIS and Dale Storie, Mobile devices in medicine: a survey of how medical students, residents, and faculty use smartphones and other mobile devices to find information, J Med Libr Assoc. Jan 2014; 102(1): 22–30.
- 10) <http://source.southuniversity.edu/healthcare-professionals-and-social-networking> accessed on 13/04/2015

QUESTIONNAIRE

Dear respondents,

This research is carried out for academic purpose. You are requested to provide frank, unbiased and honest answers. The information provided by you will be treated confidentially.

Name of the doctor _____

City _____

Specialty _____

Hospital _____

1. Do you access e online websites?

☐

YES

☐

NO

2. If YES, for which of the following purpose do you access?

S.NO	PURPOSE	PERCENTAGE USEGE	AVG. TIME SPEND/WEEK
1	Medical		
2	Non-medical		
3	Networking		
4	Others		

3. What information do you usually look for in medical sites. Please rank your preference?

S.NO	INFORMATION	Rank (%)
1	Full text articles	
2	Peer reviewed discussions	
3	Presentation for lectures	
4	Clinical trials information	
5	New molecules information	

4. Mention the top 3 medical sites you access the most?

RANK

a) uptodate _____

b) Clinical key _____

c) WebMD _____

d) Cardio source _____

e) Epocrates _____

5. Mention the non-medical sites you access?

Sites	Rank(%)	Paid/Free
1) Share trading -	_____	_____
2) Medico legal-	_____	_____
3) Online purchases-	_____	_____
4) Entertainment- _____	_____	_____
5) Hobbies- _____	_____	_____
6) Others-	_____	_____

6. Which of the following application do you access?

	RANK
a) Medscape	_____
b) PubMedMobile	_____
c) Medical doctor	_____
d) Medical wallet	_____
e) Micromedex	_____
f) Medpage today	_____
g) Others _____	

7. Mention utility of a networking site has in your practice?

S.NO:	Utility of Networking site	Rank
1.		
2.		
3.		
4.		

8. What would you look for a networking site that will help you professionally?

- a)
- b)

9. Please specify your current satisfaction level using the medical sites based on the following parameters?

S.NO:	PARAMETERS	Very low	Low	Average	High	Very high
1	Convenience of usage					
2	Reliability of information					
3	Time saving					
4	Content					

10. Please specify your current satisfaction level using the applications?

S.NO:	PARAMETERS	Very low	Low	Average	High	Very high
1	Easy and flexibility in usage					
2	confidential					
3	Time saving					

11. Please give your comments on the impact use of websites, applications and networking sites on current medical practice

12. Mention any idle website that you wish to subscribe
