

Experience in the use of Social Media in Medical and Health Education

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Abstract-

The population of world also because the varied University students clearly uses the social media for to realize data, for sharing data, and images. The aim of this text is to understand the expertise of social media in medical and health education. the ultimate result shows the variations between peoples WHO use social media is helpful or not. The findings demonstrate that though the social media represents a crucial supply of medical and health education that's wide employed in everyday lives, additional literary studies area unit required on this subject.

Keywords – Medical education, Social media, health education.

Introduction-

Social media is one among the foremost persuasive tools originating useful info. It includes the net info allowing folks to attach simply through the web and to share the resources. completely different philosophies of learning relating to social networks are underlined in literature as well as the motivation through social connections, teaching by collaboration, and improvement in learning by immediate and frequent feedback and assignation. The creation of the globe Wide net emerged as an intensive on-line activity developing several teams and communities. These on-line communities area unit thought-about because the root of social networking sites developed over the past decade. Today, the social networking through on-line resources isn't a brand new idea. Social media is “a cluster of Internet-based applications or ‘interactive platforms’ that permits the creation and exchanges of the content generated by the users”. there's a ascent in these networking sites and complexities area unit decreasing day by day leading to additional friendly applications for the young and older individuals¹.

WHAT IS SOCIAL MEDIA?

The definition of “social media” is broad and perpetually evolving. The term usually refers to Internet-based tools that permit people and communities to collect and communicate; to share info, ideas, personal messages, images, and different content; and, in some cases, to collaborate with different users in real time.²⁻⁶ Social media also are remarked as “Web 2.0” or “social networking.”⁵ Social media sites offer a range of options that serve completely different functions for the individual user.¹⁵ they will embody blogs, social networks, video- and photo-sharing sites, wikis, or a myriad of different media, which may be classified by purpose, serving functions such as:^{4,7,8} Social networking (Facebook, My Space, Google and, Twitter) Professional networking (LinkedIn) Media sharing (YouTube, Flickr) Content production (blogs [Tumblr, Blogger] and microblogs [Twitter]) Knowledge/information aggregation (Wikipedia) Virtual reality and recreation environments (Second Life) Social Media in Medical and Health Education Like modern education in different subjects, medical education has recently intimate with Associate in Nursing evolving shift from “teaching to learning” that has been powerfully associated with Associate in

Nursing increasing use of data and communication technologies and, above all, the Web. Over the past 5 years, the latter has developed into a second generation of dynamic services and communication tools, jointly called “Web 2.0”¹ or “Social Media”, that emphasize peer-to-peer collaboration, wider (all party) contribution and easy sharing, each among humans and programs. Moreover, advances within the understanding of learning processes recommend that learning ought to evolve from “learning by acquisition” to “learning by participation”². Thus, different learning approaches have designed on ideas of active learning, outlined because the method of getting students engaged in some activity that produces them replicate upon ideas and comprehend however, they could be victimization them. Such new instructional approaches area unit sometimes remarked as student centered³, and embody downside based mostly or case-based learning (PBL/CBL); inquiry and discovery-based learning; role and game taking part in based learning; also as cooperative and interactive learning of all types. These ways area unit believed to deal with not solely express data (conveyed by books, lectures and scientific documents) however additionally implicit data Teaching within the twenty first century is taken into account as a really exciting activity attributable to the resources, collaboration, and opportunities.

Social media is a cost-effective and very best tool for the worldwide collaborations a pair of. it's been calculable that just about eightieth of the young people have Associate in Nursing account on a social networking sites a pair of. It's thought-about as an elementary a part of the lifetime of several young persons. it's disclosed the abilities of young generation and provides the relevant opportunities on one click. the scholars will share issues, problems and obtain back many recommendations from the net peers and lecturers. Now a day, majority of lecturers and students use sensible phones and have access to the web. Similarly, the utilization of social media may be a regular apply among faculty students. This availableness of sensible phones and net facility results in property with peers and friends. The common use of social media network sites like Facebook and WhatsApp is for the aim of communication and amusement. However, there's Associate in Nursing raised apply of those applications for learning as well as medical education also. These services also are thought-about as a distractor for learning and wastage of your time leading to a decline of overall tutorial performance of the scholars.

Results-

Social media and medical education

Social media has become a very important tool for collaboration, data and information sharing among peers similarly as among learners and facilitators. Analysis studies have tested a higher communication among academics and students through these applications. Social networking sites are useful to enhance personal skills and skilled communication by continuous posting of images, videos, audios, chatting, writing blogs, making and written material individual profiles¹⁰. The results of a study unconcealed that an outsized range of feminine students were victimization social media. However, these findings are contrary to the results of alternative studies describing that male students were easier with the employment of those tools¹¹. Majority of the school students were additional competent with the usage of social media particularly Facebook and YouTube because the most used tools¹¹. Except the gender-based utilization, it's evident that social media is getting used for instructional activities and may be a potential tool for the improvement of quality through engagement of various stakeholders. In recent years researchers and educators have recognized the importance of social media for his or her skilled determinations during a form of ways in which for teaching and learning. school members are thought of among the key neutral of any instructional system. they ought to be acquainted and competent with the employment of the most recent instructional developments, applicable technologies and tools to boost learning experiences with efficiency. significantly, the upper education institutes have effectively supplemented the normal room teaching with rising social media tools¹². Social media is obtaining increase in its use each inside and outdoors the category room¹³. Some studies have evaluated the role of social media within the performance of scholars similarly. a scientific review terminated that connections, communications and interactions are expedited by these platforms. Health professionals use these tools for networking, clinical apply and academic purpose. However, these advancements also are related to

limitations as well as expertise, and risks of information protection¹⁴. Analysis has introduced the theoretical aspects of social media use and its potential impact on aid. The studies mirror that there are multiple opportunities and responsibilities for medical educators. It should support the skilled development, promote cooperative analysis and enhance scholarly communication. However, there's associate exaggerated demand concerning the employment of those technologies in educational settings otherwise they'll work as distractors.

Researches describe that the employment of social media in medical education is on the increase and it's expected that this influence can stay continuing within the days to come back. However, the textbooks, peer reviewed publications, teachers, mentors and important appraisal of all the sources ought to be thought of obligatory for the educational and understanding of basic concepts¹⁵. A relevant review of literature terminated that social media plays a very important role within the provision of medical data however the proof concerning its significance to boost learning method continues to be debatable¹⁷. The present perspective of social media as associate open-learning resource in medical education terminated that these technologies have unfastened versatile opportunities. This is often associate innovative shift and wishes proof through punishing analysis to grasp practicality and outcomes¹⁸. Social media has been adopted quickly in medical education; however the considerations are systematically evolving concerning its potential risks¹⁹. A scientific review consisting of twenty-nine studies unconcealed that twitter, podcasts, and blogs were oftentimes wont to interact learners and augment education²⁰.

Benefits of Social Media in Education.

Social media contains a nice potential in instructional setting and supply students an opportunity to involve, share and specific information and knowledge with one another. The interaction and socialization with others supported social art movement theory is useful for learning and information creation. Social media will be used as creative person tools to supplement the normal learning. The normal teaching will be created interactive with the employment of sharing the materials within the variety of videos, footage and discussion forum. Facebook provides comfy, user friendly and simply accessible tool participating the scholars outside the category promoting learning, collaboration and exchange of concepts. On the opposite hand, the academic price of Facebook is also questioned. however still its proof based mostly that Facebook may be a powerful tool for learning in medical education. Edmodo, as tested by several researchers, will be another on-line learning platform to be utilized in the room similarly. several researches showed that Edmodo will be one among effective solutions for alloyed learning. The WhatsApp mode of M-learning has improved the general interactions between students similarly as student-teacher. It helped with higher and faster information sharing similarly as group-discussion to conclude for higher understanding. The mobile approach of sharing information and asking queries additionally helped the back or over aware students vastly and even helped within the improvement of their overall communicative ability. WhatsApp learning has expedited learning comfortable, anytime and anyplace. The participants admire the at hand convenience of WhatsApp learning and sharing at their own convenience. They'll raise and reply at their own time of study. Answers and principle provided by discussion or school are vastly useful in adding the information while not payment a lot of time in trying to find numerous reference books and alternative sources. Challenges and barrier within the use of social media for medical education

Faculty members have several considerations concerning the employment of social media in and outdoors the category. A relevant analysis found that addition of social media has decreased participation in out of doors activities of the scholars resulting in physical health problems²³. People need to incessantly update their profiles and sharing of non-public data and increase of cyber-bullying that is in fact terribly disagreeable and has dangerous effects on personal psychological state of youth. Alternative suppose students devoting most of their time on social media have adverse effects on learning and that they show poor grades within the examinations. relating to Edmodo application, layout is just too plain and boring with associated lag time in response. To boot, text electronic messaging isn't associate accessible feature.

Therefore, students cannot use Edmodo for electronic messaging to speak with one another. Major negative aspects and barrier within the use of social media embody the following:

- Addiction of social media acts as a distractor and divert attention of the scholars.
- Cyber-bullying will have severe adverse effects on the behavior of learners.
- Multiple considerations associated with work and time constraints.
- Maintenance of privacy and integrity.
- Lack of interest in peer feedback.
- Lack of applicable coaching.
- Multitasking and managing social media throughout educational activities result in contrastive effects on educational performance.
- Students UN agency use social media too feel issue in face to face communication.

Conclusion

The critical review concludes that social media may be a powerful instrument for social interactions and is additionally used as a tool for teaching and learning. The mixing of social media with ancient category teaching in medical education has clear benefits however there's a discussion concerning the probable disadvantages similarly. The extent to that these tools are adjuvant for educational activities and learning experiences demand a sturdy proof. The present technology driven era contemplate the employment of social media and relevant gadgets, tools and applications as a compulsory demand for medical education. There's a necessity to develop approaches for the handling of potential risks. The recognition of social media applications has already chronic the scholars. It's higher to use these tools for instructional functions to intercept wastage of your time.

References

1. Andersen P. What is Web 2.0: ideas, technologies and implications for education: Citeseer; 2007hansen@usfca.eduMiguel Cabrer 24. Santana EFZ, Prado AF, Souza WL, Santana LHZ, editors. A Web 2.0 Based Environment for Simulation Activities in Constructivist Medical Education 2009. 2. Berliner DC, Calfee RC, American Psychological Association. Division of Educational P. Handbook of educational psychology: Macmillan; 1996.
2. Abdullah S. Exploring the Use and the Impacts of Social Media on Teaching and Learning Science in Saudi. Procedia-Soc Behav Sci [Internet] 2010;182:213–224. Available from: <http://dx.doi.org/10.1016/j.sbspro.2015.04.758> .
3. Donovan MS, Bransford JD, Pellegrino JW. How People Learn: Bridging Research and Practice: National Academy Press; 1999.
4. Lambert KM, Barry P, Stokes G. Risk management and legal issues with the use of social media in the healthcare setting. J Healthc Risk Manag. 2012;31(4):41–47. [PubMed]
5. Von Muhlen M, Ohno-Machado L. Reviewing social media use by clinicians. J Am Med Inform Assoc. 2012;19(5):777–781. [PMC free article] [PubMed]
6. ASHP statement on use of social media by pharmacy professionals. Available at: www.ashp.org/DocLibrary/BestPractices/AutoITStSocialMedia.aspx. Accessed March 30, 2014. [PubMed]
7. Dizon DS, Graham D, Thompson MA, et al. Practical guidance: The use of social media in oncology practice. J Oncol Pract. 2012;8(5):114–124. [PMC free article] [PubMed]
8. George DR, Rovniak LS, Kraschnewski JL. Dangers and opportunities for social media in medicine. Clin Obstet Gynecol. 2013;56(3):453–462. [PMC free article] [PubMed]
9. Chris Paton, Panagiotis Bamidis, Gunther Eysenbach, Margaret M. Hansen EdD, MSN, RN University of San Francisco, Experience in the Use of Social Media in Medical and Health Education 2011

10. Ralph M, Ralph L. Weapons of Mass Instruction: The Creative use of Social Media in Improving Pedagogy. *Issues Informing Sci Inf Technol*. 2010;10(1):449–460.
11. Poellhuber B, Anderson T, Racette N. Distance students' readiness for and interest in collaboration and social media. *Proc IADIS Int Conf e-Learning 2012* [Internet] 2010:129–136. Available from: <http://www.scopus.com/inward/record.url?eid=2-s2.0-84887445725&partnerID=40&md5=f3a08cc06222bcbabdbd048b8c55f949> .
12. Dzvapatsva GP, Mitrovic Z, Dietrich AD. Use of social media platforms for improving academic performance at Further Education and Training colleges. *SA J Inf Manag* [Internet] 2010;16(1):1–7. Available from: <http://sajim.co.za/index.php/SAJIM/article/view/604> .
13. Blaschke LM. Using social media to engage and develop the online learner in self-determined learning. *Res Learn Technol*. 2010:22.
14. Chan Windy SY, Leung Angela YM. Use of Social Network Sites for Communication Among Health Professionals: Systematic Review. *J Med Internet Res* [Internet] 2010;20(3) Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5895921/> [PMC free article] [PubMed]
15. Chan R. Social media in medical education: Can you trust it? No. *EMA–Emerg Med Australas*. 2010;30(3):418–419. [PubMed]
16. Childs LM, Martin CY. Social media profiles: striking the right balance. *Am J Health System Pharm*. 2012 Dec;69(23):2044–2050. [PubMed]
17. Arnbjörnsson E. The Use of Social Media in Medical Education : A Literature Review. *Creat Educ*. 2010 Dec 5;:2057–2061.
18. Sutherland S, Jalali A. Social media as an open-learning resource in medical education: current perspectives. *Adv Med Educ Pract* [Online] [Internet] 2010;8:369–375. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/28652840> . [PMC free article] [PubMed]
19. Walji M, Stanbrook MB. Health professionalism must be ensured online and offline. *Can Med Assoc J*. 2010;187(8):547. [PMC free article] [PubMed]
20. Sterling M, Leung P, Wright D, Bishop TF. The use of social media in graduate medical education: A systematic review. *Acad Med*. 2010;92(7):1043–1056. [PMC free article] [PubMed]
21. Santoro E. Podcasts, wikis and blogs: The web 2.0 tools for medical and health education. *Recenti progressi in medicina*. 2007;98(10):484.
22. McGee JB, Begg M. What medical educators need to know about “Web 2.0”. 2009.
23. Kamel Boulos MN, Wheeler S. The emerging Web 2.0 social software: an enabling suite of sociable technologies in health and health care education1. *Health Information & Libraries Journal*. 2007;24(1):2-23.