

# Assess Direction and Satisfaction of Medical, Surgical Nursing Students in the First Year towards Using SocialMedia for Communication & Study

Abeer Yahia Mahdy<sup>1,\*</sup>, Mageda A. S. Arafat<sup>2</sup>, Heba A. Ali<sup>1</sup>, Zeinab I. Ismael<sup>2</sup>

<sup>1</sup>Medical Surgical Nursing Department, Faculty of Nursing, Benha University, Egypt

<sup>2</sup>Nursing Administration, Faculty of Nursing, Benha University, Egypt

\* Corresponding author: maysara233@yahoo.com (Abeer Yahia Mahdy)

**Abstract** Background: Nowadays there is an increasing use of Social media within the nursing study and practice the students should realize its use is attractive in the educational setting. The aim of the study: This study aimed to assess direction and satisfaction of medical, surgical nursing students in the first year towards using social media for communication & study Subjects and methods: descriptive design utilized to conduct this study. Setting: The study was held in the medical, surgical department Faculty of Nursing, Benha University. Tools for data collection: two tools were used. The 1<sup>st</sup> tool included two parts, part (1) student personnel data and part (2) the direction of students towards social media. The 2<sup>nd</sup> tool was student satisfaction about using social media in nursing study. Results: it showed that most of the students prefer using of social media in their learning and they have positive direction toward using it, positively agreement of most of the students in using the social media in interactivity with peers and the agreement for most of them which refer to satisfaction by using it in academic learning and most of students were satisfied toward using of social media in their learning. Conclusion: Social media is a rising scope within nursing practice, and students can find its use engaging in the educational setting. The current study concluded that most of the students were agree and they satisfied to use of social media in their learning, interactivity with peers, teachers, and they agree of easy use and usefulness of it. In the same time, they prefer the presence of teachers.

---

**Keywords:** Communication, Nursing students, Satisfaction, Social media

## 1. Introduction

Health care professionals use social media to increase virtual communities to share domain knowledge. [46]. From vital element in nursing it is used in all areas of activity is Communication, including prevention, treatment, rehabilitation, education, and health promotion [25]. In current years social media has become the most important methods of communication. Neglecting the distance between people; it provides communication to

share ideas and data easily, [34] also it share personal experiences, images, files, send and receive messages, videos and perform conversation and accessing health information [8]. It is a type of electronic communication through which users inspire online groups to participate in news, information, thoughts and particular messages [29]. It is also defined as the use of web-based tools which link people and qualify them to share information, pictures, videos, and so on [31].

Social media as Facebook, Instagram, and You-Tube, Twitter, etc... facilitate interaction and communication among colleagues and friends. Since the development of Web 2.0, it has become a common component of 21st-century life, which allowed for interactive online interfaces. The broad term of social media comprises several specific types of Web 2.0 technologies including but not limited to wikis, blogs, that permit users to join with other individuals and share information [13].

Social media has been grown in the last five years, where social media platforms offer reasonable adjuncts to curriculum delivery millennial nursing student, to meet expectation of efficiency and immediate feedback, [51]. Social media has become urgent for the new generation especially undergraduates [16, 52]. The study by [43] assured that this new generation has an internet addiction in general, and particularly with social media [17]. This was due to regular use of social media by higher education students in different forms.

As shown in the study by [49], about three quadrants (70.1%) of students having been used it nearly an hour per day on social media. Also, Stainbank and Gurr (2016) reported that more than (52.3%) used it one to four times per day and over 40% of them used social media over five times daily [50], While [32] found that 88% of students get them daily, 70.3% used it daily, while 18.1% used it occasionally, only 0.7% never used it [12].

As noted by [54] sometimes several students may have poor skills and lack of interesting by using any social media in learning, use of social media affected by some barriers and ease of use was essential to students who found it academically beneficial [5]. As suggested by [11, 21], it is essential the interference of social media in nursing education. Using social media for different reasons as communication among friends or sharing news, but using it in nursing education is insufficient [42]. Learners have a chance to manage their learning environments using social media, and thus become more independent lifelong [45]. In recent years, the usage of social media by American has risen to 70%. Of the various social media sites, Facebook

has recorded more than double the number of subscribers as its nearest competitor, Twitter, with 79% percent of Americans utilizing its services [37].

As stated by [47] about nine in ten of Australians (87%) using Internet daily, more than two thirds 69% of them using social networking website such as Facebook and Twitter daily to share or send photos or links. from Advantages of using it for the nursing student, Hopkins (2018) include some benefits of using it include; interaction among students and permit communication with professionals, it easy way to communicate with a team during team projects, easy to search for information, ability to sharing of contents, encourage search and direct the learning process [18].

Otherwise the students usage of social media has some negatives; disruptions due to too much use is the most challenging part to the students, and need too many hours, this effect on human relationships; some students post false and inappropriate information which is not useful for their reputation as well as the organization as they're a part of trusting excessive on social media, many advantages and disadvantages in healthcare. It is useful tool for cooperation. It provides chances for professionals to interact with their peers [9]. Nursing students can discuss patients care with peers who have similar concerns through online information interchange about options of care on a wide range [26, 39].

Social media programs have an impact on nursing educational expertise [26]. It provides clinical education to healthcare professionals; patients can participate in practical seminars and take healthcare support also patients given an opportunity to connect into the discussion, and they can share their own experiences with others [9, 26]. Social media has other disadvantages as; lack of validity of information online, incomplete, informal or not supported by the references, social peer stress, students may fail in the ability of face to face communication [35]. The use of new technology may lead to confusion for nurses during the working time [39]. Social media technologies have become a common method for producing and conserving social

relationships [48]. Even though it is supposed that most the nursing students remarkably use social media, the role of it in nursing education has not been thoroughly investigated [55]. So that it is necessary to use social media to decrease stress among nursing student, in first year or first semester, their aged (20 and 24 years) because they do not have experience in health specialties, it is very important to reduce student load and the academic activities, and providing training of nursing students with the reality of their future profession. [27] Education load of Nursing involves practical and theoretical, the mastery of fundamental clinical skills is an essential component of courses leading to registration [44].

### 1.1. The Aim of the Study

This study aimed to assess direction and satisfaction of medical, surgical nursing students in the first year towards using social media for communication & study.

### 1.2. Research Questions

1. are the nursing students have access for social media and using technology?
2. are there positive students direction toward using social media?
3. are the nursing students satisfied with using social media?
4. is there a positive correlation among personal data and student direction and satisfaction?

### 1.3. The Significance of the Study

The strategy of old clinical nursing teaching is not standardized to theoretical and clinical competency especially nowadays in case of transportation methods, wares, sit in, and political demonstration, and clinical reasoning skills. Acquisition of critical thinking and problem-solving skills among nursing students are difficult to manage with large groups of students. So the new direction for social learning to use social media in learning is important [11].

## 2. Subjects and Methods

### 2.1. Research Design

Descriptive design utilized to conduct this study.

### 2.2. Study Setting

The study was done in the medical, surgical department faculty of nursing (1st year), Benha University in which students start studying nursing to verify that no factor affecting them.

### 2.3. Subjects

First-year medical-surgical nursing students enrolled in the academic year (2018-2019) in the faculty of nursing, Benha University. With the exclusion of all students who regain the first year and student included in the pilot study the total number included in the study (n=190).

### 2.4. Tools for Data Collection

The constructed study tools were tested and piloted by the investigator to collect data through two electronic tools.

**The first tool** includes two parts; **Part (1)** student personal data. Which included sex, Marital status, Interesting with Using technology Methods, Have a method for tech, have an account on the sites, Web access method, preferred methods of social communication.

**Part (2)** the direction of students towards the social media, it included (Student attitudes towards social networking sites and the need to learn them 7 items, evaluation of students' level themselves in the use of social networking sites 8 items, methods used by the student to develop their skills in social networking through the web 8 items, the different options offered by the college to develop the use of technology 10 items.

**The second tool** titled student satisfaction about using social media in nursing study, it included (using the social media in Interactivity with peers five items, using social media perceived ease of using six items, using social media perceived usefulness ten items, students' satisfaction nine items.

## 2.8. Legal Aspects of Ethical Considerations

## 2.5. Pilot Study

Pilot study conducted on 10% of total study participants (Medical surgical 1 st year nursing students at the faculty of nursing, Benha University, to judge the feasibility of doing the study, it's objectivity and ability of the tool to elicit the desired information, appropriateness, to estimate time needed for data collection, and to identify obstacles and problems that may encounter in data collection, needed modifications will be done according to these subject's responses from the study.

## 2.6. Content Validity

It is done based on the result of pilot study and expertise advice after making a jury by five medical, surgical and teaching expertise.

## 2.7. Fieldwork

After verifying that the medical-surgical student (the first year not effective use social media in their communication & study. this was known by staff researchers teaching these student. After that reviewing all available literature to develop the tools for data collection construct background about social media connection and its benefit in nursing studying. The researchers take permission from the supervisor of the first year. After that put the tools in electronic form in Google drive (G.mail). The researchers have explained the aim of the study to a students in first-year and explain the method of filling tool to the students and how to verifying the student filled it. This after confirm that all student have registered in first year group on, to answer student questions and give them instruction about time of tool which was about not more than 10 minutes, after that give advising for using social media in communication and study nursing, this through researchers and first-year supervisor. This done through academic advising after that the data collected in one week. After that researcher not receive any answered tool, the tool by the Arabic language because of new terminology in social media and also to facilitate student understanding, data collected at the end of the first term.

that large percentage of first-year nursing students have a positive direction toward social media and the need to -

1. Informed consent from participants to participate in the study and confidentiality will be assured.
2. All rights of participants will be secured as the right to withdraw from the research at any time.
3. The participant's opinions will be kept secret and will be used only for the study.
4. No any harmful for a student.

## 2.9. Statistical Design

After data collection, by electronic method Data was analysed electronically through frequent distribution only. after that it organized it by the researcher in the table to show correlation and p-Value the statistical package for social science (SPSS) program is used. It was also expressed as frequency and percentage, the probability of errors (p-value) test was used to examine the relationship between qualitative variables.

The significance of results was as the following:

1. When  $p > 0.05$  there was no statistically significant differences.
2. When  $p < 0.05$  there were statistically significant differences.
3. When  $p < 0.01$  there were statistically significant differences.
4. When  $p < 0.001$  there was a highly statistically significant difference.

## 3. Results

Table (1) showed that, more than two thirds of the studied subjects (67.4%) their age  $\leq 18$ , (60.4%) of them are interesting with using technology methods, most of them (96.8%) are having telephone, and the large percentage (93.2%) are having Facebook account, (87.4%) were accessed to internet by WIFI and about three quarters of them (76.3% preferred the what's-app in social communication. As regard to the direction of students towards social media communication (Table 2) demonstrated them.

The results clarified that, the large proportion of students agreed of all items (as; using social media and social

networking across the web has become the most widespread in the world, it is essential in medicine, nursing and scientific research, etc....) and they agree that being proficient in using social media via the web develops many skills, and computer proficiency is essential.

It is evident in Table (3) that, about half (51.1%) of students were agreed that lack of social networking through the web is one of the most important obstacles they face in their learning, and it is one of the important barriers to communication with faculty members or with professors, but more than two thirds (63.2%) of them were disagreed when they asked about if social networking on the web is the biggest obstacle in communicating with the medical team and the nursing team at work, or they find it difficult to use social media on the web (69.5%) disagreed.

It was noted that (Table 4), the most of students agreed that they develop their skills in social networking through joining courses (44.7%), helping their friends or family members (72.6%), engaged in the basic university courses (54.7%) and (63.2%) of them never try to develop their skills in this field. In relation to frequency distribution of the methods used by the student to develop their skills in social networking through the web, moreover, (37.9%) of students not accepted to join courses outside the university, (29.5%) use the computer lab at college only.

The most of students agreed that the college offered different options to develop the use of technology and faculty members assist them, available all time and encourage them to use of technology and socialize on the web (Table 5). As regard to students' opinions about the use of social media, it was presented in (Figure 2) the positive agreement of most of the students in using the social media perceived the usefulness.

Concerning to students satisfaction among using of social media (Figure 1) and (Table 3), the result displayed that most of first year medical surgical nursing students (78%) were satisfied with by using it in academic learning and most of them their age above 18 years while they not interested with using technology methods, (96.6%) having

telephone, using Facebook account and prefer using it as the most preferred methods of social communication.

### Part (1) Personnel data electronic questioner sheet

**Table 1.** Frequency Distribution of personal data of 1<sup>st</sup>-year medical, surgical nursing students (n=190)

Items	Choice	NO	%
Age	≤18	128	67.4
	16-18	62	32.6
Interesting with using technology methods	Interested	115	60.4
	Midst	73	38.4
	Not interest	2	1.2
Items	Choice	NO	%
Method for technology	Telephone	184	96.8
	Tab.	9	4.7
	Comp.	36	18.9
	Laptop	31	16.3
Have an account on the sites	Facebook	177	93.2
	Whatsapp	164	86
	Twitter	29	15.3
	Instagram	4	2.1
	Snap Chat	1	5
Web access method	WIFI	166	87.4
	Package	61	32.1
	Cafe shop	10	5.8
	Line	7	3.7
Preferred methods of social communication	Facebook	104	54.7
	Whats-app	145	76.3
	Twitter	12	6.3
	Snap Chat	6	3.2

## Part (2) the direction of students towards social mediacommunication

**Table 2. Frequency Distribution of the Student attitudes towards social media communication**

Student Attitudes	Choice	N	%
Using social media (social networking) across the web has become the most widespread in the world	Agree	169	88.9
	Natural	20	10.5
	Disagree	1	.5
Use of social media (social networking) through the web is essential in medicine, nursing, and scientific research.	Agree	173	91.1
	Natural	16.	8.4
	Disagree	1	.5
Social media via the web is a necessity and must be mastered.	Agree	164	86.3
	Natural	25	13.2
	Disagree	1	.5
Being proficient in using social media via the web develops many skills.	Agree	151	79.5
	Natural	34	17.9
	Disagree	5	1
The use of computers and the Internet has become the main communication tool among medical team members in all hospitals.	Agree	120	63.2
	Natural	63	33.2
	Disagree	7	3.6
Computer proficiency and access to the Internet help to provide job opportunities and a better standard of living.	Agree	143	75.3
	Natural	46	24.2
	Disagree	1	.5
I am interested in improving my social networking skills through the web.	Agree	142	74.7
	Natural	46	24.2
	Disagree	2	1.2

**Table 3.** Frequency distribution of the evaluation of students' level in the use of social networking sites

Evaluated Items	Choice	No	%
Lack of social networking through the web is one of the most important obstacles I face in my work learning.	Agree	90	47.4
	Natural	59	31.1
	Disagree	41	21.6
Lack of social networking through the web is one of the most significant barriers to communication with faculty members.	Agree	97	51.1
	Natural	63	33.2
	Disagree	30	15.8
Social networking across the web is one of the challenges I face during my research.	Agree	48	24.7
	Natural	73	38.4
	Disagree	70	36.8
Social networking on the web is the biggest obstacle in communicating with the medical team and the nursing team at work.	Agree	29	15.3
	Natural	41	21.6
	Disagree	120	63.2
Find it difficult to use social media on the web.	Agree	9	4.7
	Natural	49	25.8
	Disagree	132	69.5
Have difficulty using the computer.	Agree	15	7.9
	Natural	45	23.7
	Disagree	130	68.4
Find it difficult to communicate with professors through social networking via the web.	Agree	29	15.3
	Natural	99	52.1
	Disagree	99	52.1
Can write notes through social networking over the web more confidently.	Agree	95	50
	Natural	73	38.4
	Disagree	22	11.6

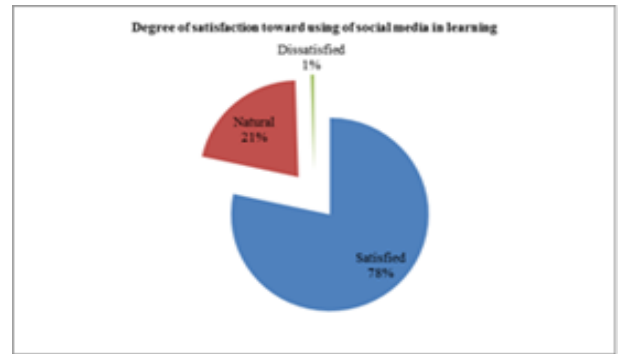
**Table 4.** Frequency distribution of the methods used by the student to develop their skills in social networking through the web

Methods	Choice	No	%
I join the courses of developing my abilities to use the Internet (social networking) through the web outside the university.	Agree	64	33.7
	Natural	54	28.4
	Disagree	72	37.9
I join courses to develop different computer skills.	Agree	85	44.7
	Natural	47	24.7
	Disagree	58	30.5
I try to develop skills through my friends or sisters.	Agree	138	72.6
	Natural	44	23.2
	Disagree	8	4.2
I try to develop skills through basic university courses.	Agree	104	54.7
	Natural	54	28.4
	Disagree	32	16.8
I never try to develop my skills in this field.	Agree	120	63.2
	Natural	54	28.4
	Disagree	16	8.4
I read the library's specific references.	Agree	62	32.8
	Natural	93.2	49.2
	Disagree	34	18
I use the computer lab at college.	Agree	75	29.5
	Natural	59	31.1
	Disagree	75	39.5

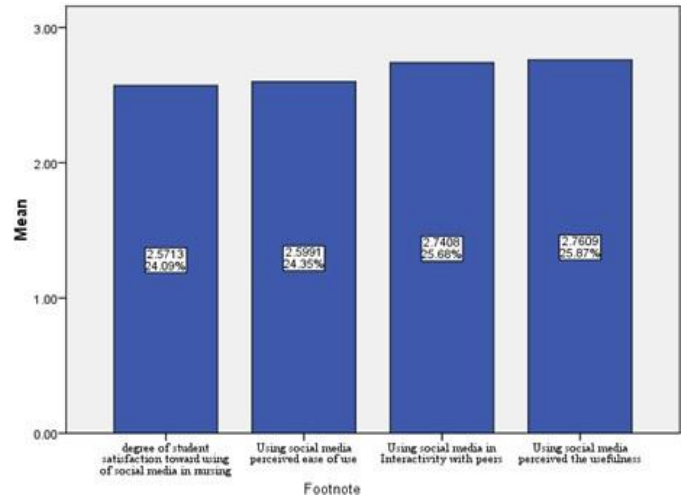
**Table 5.** Frequency Distribution of the different options offered

by the college to develop the use of technology

Options	Choice	No	%
Computer courses taught at my college are suitable for the development of social networking skills for the nursing students.	Agree	83	43.7
	Natural	63	33.2
	Disagree	44	23.2
The number of hours of computer courses was sufficient to prepare me for the use of social media to study nursing.	Agree	65	34.2
	Natural	81	42.6
	Disagree	44	23.2
The course helped me develop social networking skills through the web.	Agree	83	43.7
	Natural	75	39.5
	Disagree	32	16.8
Faculty members use social networking sites through the web.	Agree	144	75.8
	Natural	40	21.1
	Disagree	6	3.2
Assistants' staff uses social networking sites via the web to explain the process and during field training.	Agree	100	52.6
	Natural	55	28.9
	Disagree	35	18.4
Faculty members encourage me to socialize on the web.	Agree	182	67.4
	Natural	49	25.8
	Disagree	13	6.8
The faculty member is required to do a duty through social networking via the web.	Agree	72	37.9
	Natural	66	34.7
	Disagree	52	27.4
Faculty members ask me to access social networking via the web.	Agree	111	58.4
	Natural	56	29.5
	Disagree	23	12.1
The faculty member is always available.	Agree	89	64.8
	Natural	83	43.7
	Disagree	18	9.5
Do not be embarrassed to communicate.	Agree	156	82.1
	Natural	26	13.7
	Disagree	8	4.2



Students' opinions about the use of social media and their degree of satisfaction



Footnote

**Table (6): The correlation between first year medical surgical students personal characteristic and their satisfaction toward using of social media in their learning**

Personal Characteristics	Degree of Satisfaction							$\chi^2$	P
	Items	Satisfied (no 149)		Neutral (no 40)		Dissatisfied (no 1)			
		No	%	No	%	No	%		
Age	16-18	50	33.6	12	30	0	0.00	.668	0.716
	+18	99	66.4	28	70	1	100		
Interesting with using technology methods	Interested	0	0.00	1	2.5	1	100	1.047	0.000
	Natural	50	33.6	23	57.5	0	0.00		
	Not interest	99	66.4	16	40	0	0.00		
Methods for technology	Telephone	144	96.6	39	97.5	1	100	.610	0.966
	Tab.	1	0.7	0	0.00	0	0.00		
	Comp.	3	2.0	1	2.5	0	0.00		
	Laptop	1	0.7	0	0.00	0	0.00		
Have an account on the sites	Facebook	137	91.9	40	100	1	100	3.525	0.172
	Whatsapp	12	8.1	0	0.00	0	0.00		
	Twitter	0	0.00	0	0.00	0	0.00		
	Instagram	0	0.00	0	0.00	0	0.00		
	Snap Chat	0	0.00	0	0.00	0	0.00		
Web access method	WIFI	131	87.9	34	85	1	100	1.211	0.976
	Package	16	10.7	6	15	0	0.00		
	Cafe shop	1	0.7	0	0.00	0	0.00		
	Line	1	0.7	0	0.00	0	0.00		
Preferred methods of social communication	Facebook	83	55.7	20	50	1	100	3.347	0.911
	Whats-app	60	40.3	20	50	0	0.00		
	Twitter	4	2.7	0	0.00	0	0.00		
	Snap Chat	1	0.7	0	0.00	0	0.00		
	Instagram	1	0.7	0	0.00	0	0.00		



## 4. Discussion

The present study aimed to first; advising medical, surgical nursing students in the first year towards using social media in communication & study. Second; assess students satisfaction about using social media in nursing communication and study. As shown in the present result (60.4%) of medical, surgical first-year nursing students are interesting with using technology methods, may be due to the new generation of students was became aware to understand that new technology and social media are useful in their learning.

Likewise, a meta-analysis of medical students in seven countries discovered that 60-75% using social media, 20% of them used for sharing academic information [14]. These findings supported by [36] study about social media in nursing education, who reported that above 80% of nursing students see technology as part of their everyday life. In the same direction [3, 1] evidenced that all over the world, the application of social media and internet became a fundamental part of lives of young people especially in adolescents, undergraduates, and high school students. As shown in the present study, 96.8% of students have a telephone while 4.7% only have Tap, this may be due to the low economic level of most of them and also may be due to the portability of mobile device due to its size and it is possible to everyone to learn how to use the essential functions of the invention.

In agreement with the present finding [10] confirmed that the use of mobile technology is a significant surge in higher education to enhance communication and connection between, students and educators. In school, mobile devices are not only used as a tool to foster information, encourage and emphasize engagement but it moreover strong the transmission of the course content [22]. The large percent 93.2% and 86% have an account on Facebook while Snap chat 3.2% and Twitter 6.3%, may be due to the easy using of WhatsApp and Facebook and also

Most of the friends use this method of communication, in addition, Twitter is comparatively new teaching, and learning tool in higher education and evidence supporting its use is limited. This finding is similar to previous studies [6, 7] and [56]. Facebook was a popular educational site for students. In similarly the study by [30] mentioned that among the different social media platforms, Facebook was the most commonly used social media networking site. The study was carried out in Nepal on health science students appeared a higher percentage (80.8%) of them realized the role of Facebook in gaining information [20]. In disagreement with the present finding [15] revealed that Twitter had been the most popular platform reported in the literature.

Social media use has risen within all age group through the last ten years [23] and [37]. In concurrence, [57], 66% of the world, about 7.5 billion people hold a mobile phone. 50% of international people are online, 37% of internet users are particularly at least one social network, 2.459 billion people or 34% of people worldwide oncoming social media from mobile apparatus.

Concerning [22] displayed the highest sectional social media users are in North American, with around sixty –six percent of them linked through social networks, fifty-eight percent of them work consequently from a mobile apparatus. Approximately 89% of adults in the United States are online now with 72% of smartphone proprietorship [39]. In contrast when the Pew Research Center began to follow up on social media use in 2005, 5% only of Americans used a social network, while in January 2017, around 79% of adults in United States use of Facebook, 28% use Instagram, 26% use of Pinterest, 25% use LinkedIn, and 21% use Twitter [36, 37].

The results of the present study showed that a significant percentage of first-year nursing students have a positive direction toward social media and the

need to learn them. This finding was supported by the study in Jordan [2] on undergraduate student nurses' attitudes towards using social media websites, who confirmed the same result that a significant proportion of nursing students attending both public and private universities have a positive attitude toward using social media for academic purposes. The results clarified that the large proportion of students agreed on all items (as; using social media and social networking across the web has become the most widespread in the world, it is essential in medicine, nursing and scientific research, is a necessity and must be mastered, etc.....) and they agree that being proficient in using social media via the web develops many skills, and computer proficiency is essential. This support that social media can help nurse education and it enhance communication and engagement. Furthermore, the development of social media guidelines or policies in nursing education is significant [56]. As suggested by [21] Learning activities involving social media could be included in nursing education to develop digital professionalism.

The present finding found that near than half of students were agreed that lack of social networking through the web is one of the most critical obstacles they face in their learning and it is one of the significant barriers to communication with faculty members or with professors. This confirms the need to provide further education and support for students and faculty in using technology appropriately for communication [24]. Fifty percent of them were agreed that they could write notes through social networking over the web more confidently, this return to that they had excellent computer skills and they frequently use it.

But more than two thirds (63.2%) of them disagreed when they asked about if social networking on the web is the biggest obstacle in communicating with the medical team and the nursing team at work, this is due to they rarely communicate with medical or nursing staff electronically but they communicate mainly with them

directly in clinical setting, or they find it difficult to use social media on the web (69.5%) disagreed and (68.4%) of them were disagreed when they asked about if they had difficulty in using the computer this is due to the Millennium Generation use the computer skillfully. It was noted that, the most of students agreed that they develop their skills in social networking through joining courses (44.7%), helping their friends or family members (72.6%), engaged in the basic university courses (54.7%) and (63.2%) of them never try to develop their skills in this field.

Moreover, (37.9%) of students did not accept to join courses outside the university, (29.5%) use the computer lab at college only. This may be due to that they are new students with little experience and having less time to join outside courses, also may be returned to they don't have enough financial resources and availability to go outside the college. Similarly, the study by [41] proved that using social media is limited in low-and-middle- income countries. Likewise, Mathieson and Leafman's (2014) study reported that, when they asked about their readiness to use social media outside of the college, most of the students mentioned that they are not having enough time.

Most of the students agreed that the college offered different options to develop the use of technology and faculty members assist them, available all time and encourage them to use technology and socialize on the web [28]. This is true because the new students may need guidance and support about how to filter information effectively and lectures may need to address this.

The large percent (82.1%) of students reported that they did not embarrassed to communicate. The fact that technology is freely used may mean that the students were familiar with differed learning strategies. These findings supported by [21] assured that study students were not forced to use social media, but this could create disparity among student when used in the assessment

As regard to students' opinions about the use of social media, the present result pointed to the positive agreement of most of the students in using social media in interactivity with peers, may be due to young students prefer this methods of communication, their peers in the same age, class and in the same educational level. In the agreement with this finding, the study by [2] reported that almost two thirds (64%) of studied students use of social media to discuss the academic problems with their peers and also with the academic staff. In the same respect [53] said that social media had been seen as an instrument for peer support, learning and increasing the student's engagement in learning. In respect to easy of using social media, the study finding revealed that the great proportion of students agreed that use of social media made simply to integrate into their lectures, reach peers, reach teachers, worth time and they enjoy studying by social media.

Consider the usefulness of social media; the result assured that, using social media is useful in all items which asked students this appear from their answers that showed the agreement. This finding was supported by Price, et al., [42] who suggested that the students benefited from their communication and sharing information with others. Concerning to students satisfaction among users of social media, the result displayed the agreement for most of them which refer to satisfaction by using it in academic learning,

Most of them (71.1%) agree that using of social media can increase their motivation, about two thirds (66.8%) were satisfied with social media using in their learning and (64.2%) of them prefer use of social media in education and large percentage (87.9%) of them dissatisfied with the traditional methods of learning and also (77.4%) encourage their friendsto use social media; this may contribute to they are the technology generation, prefer using of new technology in every -day life, they paid attention to the future and hoped to get jobs as soon as possible after graduation and nowadays the using of technology widespread in any job.

In the same line, [51] noted that to "meet the generational needs of this, the millennial students and to engage them in learning, it is imperative for the educator to adapt teaching and learning methods that will optimize the probability of success.

While they prefer the presence of teachers with them through more than three quadrants (78.4%) of them agree about physical appearance of the teacher is very essential for learning; this is true because the direct contact between themselves and their teachers is an essential part of the teaching process for guidance from their teachers and to discuss academic problems, researchers think that; should train students to use social networks as tool more than what they have in the class, but not substitutes for teachers. Educators can help student nurses use social media effectively [33].

These findings supported by [19] who suggested that nurses and nursing students need guidance as well as opportunities to practice professional behavior online. In congruence with [42] expressed that some students were aware of the dangers associated with social media, and the need for professional and university guidance.

## 5. Conclusions

Social media is a rising scope within nursing practice, and students can find its use engaging in the educational setting. The present study concluded that most of the students were agree and they satisfied to use of social media in their learning, interactivity with peers, teachers, and they decide of easy use and usefulness of it. In the same time, they prefer the presence of teachers.

## 6. Recommendations

From the present findings, the researchers recommended the following;

- Providing the web & technology devices to students
- Integrating the social networking technologies in the formal curriculum.
- Explore opportunities for comprehensive undergraduate education developing social media in university learning, particularly in the first year.
- Further researches to evaluate the effect of using social media in learning on the students' academic achievements.

## REFERENCES

- [1] Al-Gamal, E., Alzayyat, A., & Ahmad, M.M., (2015). Prevalence of Internet addiction and its association with psychological distress and coping strategies among university students in Jordan. *Perspect. Psychiatr. Care* 52 (1), 49–61.
- [2] Al-Shdayfat, M.N., (2018). Undergraduate student nurses' attitudes towards using social media websites: A study from Jordan. *Nurse Education Today* 66 (2018) 39–43.
- [3] Al-Shdayfat, N., Hawi, N., Hamadneh, S.H., Albanian, F., Alzyoud, S., & Logue, T., (2016). Internet addiction among school adolescents in Northeastern Jordan. *World J. Med. Sci.* 13 (4), 218–224.
- [4] Australian Health Practitioner Regulation Agency (AHPRA) (2014). National board policy for registered health practitioners social media policy, AHPRA, viewed 12 September 2016.
- [5] Balakrishnan, V., (2014). Using social networks to enhance teaching and learning experiences in higher learning institutes. *Innov. Educ. Teach. Int.* 51 (6), 595–606. <http://dx.doi.org/10.1080/14703297.2013.863735>.
- [6] Barry, A.R., and Pearson, G.J., (2015). Professional use of social media by pharmacists. *Can. J. Hosp. Pharm.* 68 (1), 22–27 (Retrieved from <http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,URL,uid&db=rzh&AN=12935142&site=ehost-live&scope=site>).
- [7] Brisson, G.E., Fisher, M.J., LaBelle, M.W., & Kozmic, S.E., (2015). Defining a mismatch: differences in usage of social networking sites between medical students and the faculty who teach them. *Teach. Learn. Med.* 27 (2), 208–214. <http://dx.doi.org/10.1080/10401334.2015.1011648>.
- [8] Capurro, K. Cole, M.I. Echavarría, J. Joe, T. Neogi, A.M. & Turner, (2014). The use of social networking sites for public health practice and research: a systematic review, *J. Med. Internet Res.* 16 (3) (2014) 79, <http://dx.doi.org/10.2196/jmir.2679>.
- [9] Casella E, Mills J, & Usher K. (2014). Social media and nursing practice: changing the balance between the social and technical aspects of work. *Collegian.* 2014;21(2):121-126.
- [10] Chari, V., (2018). Five ways higher education is making use of mobile technology. <http://blog.fullfabric.com/five-ways-higher-education-is-making-use-of-mobile-technology-educational-benefits-of-Web-2.0-personal-learning-environments/>,
- [11] eLearning Papers, [online Available at: <http://openeducationeuropa.eu/en/article/Investigating-teachers%E2%80%99-perception-about-the-educational-benefits-of-Web2.0-personal-learning-environments>.
- [12] Eldarir, S.A., and Abd el Hamid, N. A. (2013). Objective Structured Clinical Evaluation (OSCE) versus. Traditional Clinical Students Achievement at Maternity Nursing: A Comparative Approach. *IOSR Journal of Dental and Medical Sciences (IOSR-JDMS)* e-ISSN: 2279-0853, p-ISSN:2279-0861. Volume 4, Issue 3 (Jan.- Feb. 2013), PP 63-68.

- [13] Fasae, J.K. and Adegbilero-Iwari, I. (2016). "Use of social media by science students in public universities in Southwest Nigeria," *The Electronic Library*, Vol. 34 No. 2, pp. 213-222.
- [14] Green J, Wyllie A, & Jackson D (2014). *Social Networking for Nurse Education: Possibilities*.
- [15] Guraya, S.Y., (2016). The usage of social networking sites by medical students for educational purposes: a meta-analysis and systematic review. *North. Am. J. Med. Sci.* 8 (7) 268.
- [16] Hagg, E., Susan V., D., Leanne M. & Currie, (2018). The emerging use of social media for health-related purposes in low and middle-income countries: A scoping review. *International Journal of Medical Informatics* 115 (2018) 92–105.
- [17] Hamade, S.N. (2013), "Perception and use of social networking sites among university students," *Library Review*, Vol. 62 No 6/7, pp. 388-397.
- [18] Hong, F., Huang, D., Lin, H. & Chiu, S. (2014). "Analysis of the psychological traits, Facebook usage, and Facebook addiction model of Taiwanese university students," *Telematics and Informatics*, Vol. 31 No. 4, pp. 597-606.
- [19] Hopkins, B., (2018). Advantages of Using Social Media for Students in Education. *Academic Apps Social Media for Educaion*.
- [20] Jennie C. De Gagnea, Katherine Hall, Jamie L. Conkline, Sandra S. Yamaned, Noelle Wyman Rothe, Jianhong Changf & Sang Suk Kimg (2019). Uncovering cyberincivility among nurses and nursing students on Twitter: A data mining study. *International Journal of Nursing Studies* 89; 24–31.
- [21] Jha, R.K., Shah, D.K., Basnet, S., Paudel, K.R., Sah, P., Sah, A.K., Adhikari, K., (2016). Facebook use and its effects on the life of health science students in a private medical college in Nepal. *BMC Res. Notes* 9 (1), 378.
- [22] Jones, R., Kelsey, J., Nelmes, P., Chinn, N., Chinn, T., Proctor-Childs, T., (2016). Introducing Twitter as an assessed component of the undergraduate nursing curriculum: case study. *J. Adv. Nurs.* 1–16.
- <http://dx.doi.org/10.1111/jan.12935>.
- [23] Juliana J. Willemsa, Karien Joosteb, Vivienne Bozalekc (2019). Experiences of undergraduate nursing students on an authentic mobile learning enactment at a higher education institution in South Africa. *Nurse Education Today* 74 (2019)69–75.
- [24] Kemp S., (2017). Digital in 2: a global overview; 2017. <https://www.slideshare.net/wearesocialsg/digital-in-2017-globaloverview>. Accessed September 21.
- [25] Kimmons, R., (2014). Social networking sites, literacy, and authentic identity problem. *Tech Trends* 58 (2), 93–98.
- [26] Kourkouta L, and Papathanasiou I. (2014). Communication in nursing practice. *Mater Sociomed.* 2014;26(1): 65–67. <http://dx.doi.org/10.5455/msm.2014.26.65-67>. [PMC free article] [PubMed].
- [27] Neier, S. and Zaye, L.T. (2015). "Students' perceptions and experiences of social media in higher education," *Journal of Marketing Education*, Vol. 37 No. 3, pp. 133-143.
- [28] Nursing and Midwifery Council (NMC), (2015). The code: professional standards of practice and behavior for nurses and midwives. Available at: <https://www.nmc.org.uk/globalassets/sitedocuments/nmc-publications/nmc-code.pdf>, Accessed date: 20 May 2016.
- [29] Odlum, M. and Yoon, S. (2018). What can we learn about the Ebola outbreak from tweets? *Am. J. Infect. Control* 43 (6)(2015) 563–571, <http://dx.doi.org/10.1016/j.ajic.2015.02.023>.
- [30] Panwar, S., (2017). Social Media has revolutionized the way people perform the communication. Quora.
- [31] Peck, J.L., (2014). Social media in nursing education: responsible integration for meaningful use. *J. Nurs. Educ.* 53 (3), 164–169. <http://dx.doi.org/10.3928/01484834-20140219-03>.
- [32] Pew Research Center, (2017). Social media fact sheet; 2017. <http://www.pewinternet.org/fact-sheet/social-media/>. Accessed September 9, 2017.

- [33] Pew Research Center. Social media use in 2016. *International Journal of Nursing Science, Communication Skills course, use of social media and satisfaction with clinical placement. Journal of Professional Nursing, Vol 0, No. 0 (March/April), 2016: pp 153–161* 153 © 2017 Elsevier Inc. All rights reserved. <http://www.pewinternet.org/2016/11/11/social-media-update-2016/>. Accessed September 9, 2017.
- [34] Piscotty R, Voepel-Lewis T, Lee S, Lee E, Annis A, & Kalisch, B. (2015). Hold the phone? Nurses, social media and patient care. *Nursing; 45(5):64-67*.
- [35] Poushter J., (2016). Smartphone ownership and internet usage continue to climb in emerging economies; <http://www.pewglobal.org/2016/02/22/smartphone-ownership-and-internet-usage-continues-to-climb-in-emerging-economies/>. Accessed September 21, 2017.
- [36] Poushter, J., (2016). Emerging, Developing Countries Gain Ground in Tech Revolution, Pew Research Center, 2016 (Retrieved from <http://www.pewresearch.org/facttank/2016/02/22/key-takeaways-global-tech/>).
- [37] Price, A.M., Devis, K., LeMoine, G., Croucha, S., South, N., Hossain, R., (2018). The first year nursing students use of social media within education: Results of a Survey. *Nurse Education Today 61 (2018) 70–76*.
- [38] Qiaolei, J. (2014), "Internet addiction among young people in China," *Internet Research, Vol. 24 No. 1, pp. 2-20*.
- [39] Rafiee, G., Moattari, M., Nikbakht, A. N., Kojuri, J., & Mousavinasab, M. (2014). Problems and challenges of nursing students' clinical evaluation: A qualitative study. *Iranian journal of nursing and midwifery research, 19(1), 41-9*.
- [40] Rahimi, E., van den Berg, J. & Veen, W. (2013). 'Investigating teachers' perception about the educational benefits of Web 2.0 personal learning environments', *E-learning Papers, (35)*.
- [41] Rolls, K., Hansen, M., Jackson, D., & Elliott, D. (2016). How Health Care Professionals Use Social Media to Create Virtual Communities: An Integrative Review. *Journal of medical Internet research, 18(6), e166*. doi:10.2196/jmir.5312.
- [42] Sensis Social Media Report (2016). How Australian people and businesses are using social media, Sensis Social Media Report, viewed 10 September 2016.
- [43] Sigalit W., Sivia B., & Michal I., (2016). Factors associated with nursing students resilience: communication skills course, use of social media and satisfaction with clinical placement. *Journal of Professional Nursing, Vol 0, No. 0 (March/April), 2016: pp 153–161* 153 © 2017 Elsevier Inc. All rights reserved.
- [44] Singh, K.P. and Gill, M.S. (2015). "Role and users' approach to social networking sites (SNSs): a study of universities of North India," *The Electronic Library, Vol. 33 No. 1, pp. 19-34*.
- [45] Rahimi, E., van den Berg, J. & Veen, W. (2013). 'Investigating teachers' perception about the educational benefits of Web 2.0 personal learning environments', *E-learning Papers, (35)*.
- [46] Rolls, K., Hansen, M., Jackson, D., & Elliott, D. (2016). How Health Care Professionals Use Social Media to Create Virtual Communities: An Integrative Review. *Journal of medical Internet research, 18(6), e166*. doi:10.2196/jmir.5312.
- [47] Sensis Social Media Report (2016). How Australian people and businesses are using social media, Sensis Social Media Report, viewed 10 September 2016.
- [48] Sigalit W., Sivia B., & Michal I., (2016). Factors associated with nursing students resilience: communication skills course, use of social media and satisfaction with clinical placement. *Journal of Professional Nursing, Vol 0, No. 0 (March/April), 2016: pp 153–161* 153 © 2017 Elsevier Inc. All rights reserved.
- [49] Singh, K.P. and Gill, M.S. (2015). "Role and users' approach to social networking sites (SNSs): a study of universities of North India," *The Electronic Library, Vol. 33 No. 1, pp. 19-34*.
- [50] Stainbank, L., and Lee-Gurr, K., (2016). The use of social media platforms in a first year accounting course: An exploratory study. DOI: 10.1108/MEDAR-08-2015-0051.
- [51] Stephens, T. and Gunther, M. (2016). Twitter, Millennials, and Nursing Education Research. *Nursing Education Perspectives, 37 (1), pp. 23 – 27*.
- [52] Swaminathan, T.N., Harish, A. & Cherian, B. (2013). "Effect of social media outreach engagement in institutions of higher learning in India," *Asia-Pacific Journal of Management Research and Innovation, Vol. 9 No. 4, pp. 349-357*.

- [53] Tower, M., Blacklock, E., Watson, B., Heffernan, C., & Aronoff, G., (2015). Using social media as a strategy to address 'sophomore slump' in second year nursing students: a qualitative study. *Nurse Educ. Today* 35, 1130–1134. <http://dx.doi.org/10.1016/j.nedt.2015.06.011>.
- [54] Tuominen, R., Stolt, M., & Salminen, L., (2014). Social Media in Nursing Education: the view of the students. *Educ. Res. Int.* 2014, 1–16. <https://doi.org/10.1155/2014/929245>.
- [55] Usher, K., Woods, C., Casella, E., Glass, N., Wilson, R., Mayner, L., & Irwin, P. (2014). Australian health professions: Student use of social media. *Collegian*, 21, 95–101.







