IJAHS-0163

NURSE PHYSICIAN COMMUNICATION BARRIERS IN GOVT. GENERAL HOSPITAL, G.M. ABAD, FAISALABAD: IMPACT ON PATIENT SAFETY

Tasleem Raza, Matric FSc, BSc, Nursing General Nursing Student of BSN (Post RN) Faisalabad. **Shafquat Inayat,** Principal of Nursing Department, Independent College of Nursing, Faisalabad.

Date of Received: 03/05/2018 Date of Acceptance: 30/08/2018

ABSTRACT

Background: Among the major nurse-physician communication barriers the level of education, age, expectations personal values, attitude of nurses and physicians towards each other, poor skills regarding communication are the factors and barriers among nurse-physician communication. To improve safe patient safety complete and clear communication among healthcare workers is required. Objective: The purpose of this research work was to discover communication barriers among nurse and physician and their impact on the safety of patient in General Hospital G.M. abad, Faisalabad. Methodology: This study was cross sectional and quantitative in nature; a self-administered questionnaire was developed. Percentage and chisquare test was applied in statistical analysis. Results: There were found so many communication barriers between nurse-physician communication. Overwork, colloquial language difference, unawareness, busy environment, noise, incompatible environment were the main barriers found at General Hospital, G.M. abad, Faisalabad.

Correspondence Address

Shafquat Inayat,Principal of Nursing
Department,Independent

College of Nursing,

Faisalabad. shafquat.rana@hotmail.com

Keywords: Communication, physician-nurse communication, patient safety

Article Citation: Raza T, Inayat S. Nurse Physician Communication Barriers in Govt. General Hospital, G.M abad, Faisalabad. Impact on Patient Safety. IJAHS, Jul-Sep 2018;03(163-169):01-08.

INTRODUCTION

Communication is the basic level to exchange information between each other. The communication is done through so many ways, i.e. written, verbal, body language, tone, attitude, etc. Only words are not the communication, but the tone, body language also contributes to judge communication. There are so many communication barriers among nurses and physicians individually, such as expectations, age factor, qualification etc.²

Effective communication between nurses and physicians is critical to patient safety, yet numerous challenges contribute to poor communication and an unhealthy reliance on individual action.³ Deficiency of persistent communication among nurses and physicians is a problem for so many years, but there are so many causes instead of just confusions and misunderstandings. According to Patient Safety and Quality Healthcare, there are main causes of

communication disconnect, i.e. divergent views, hierarchy and historic tension, existence of inefficient communication process and learned communication style. Due to these issues, several barriers created which technology, interruptions, time, work environment and patient safety affected in this regard. The other barriers in effective communication among nurses and physicians belong to different policies, lack of structure, procedures associated with timing. Healthcare communication is lacking in proper framework and rules for verbal communication, face to face communication and telephonic conversation as well.

For example, nurses are trained to be narrative and descriptive in their messages, often painting verbal pictures with a broad brush. Physicians, on the other hand, are very action-oriented and want the main subject matter of the problem so that immediate action can be taken.³

The communication barriers affect the patient safety. Precisely different healthcare units, comprising operation room, nursing home, ICU reported that poor communication between nurse and physician badly affects the patient care. Proper teamwork could be achieved by proper communication as sharing of ideas, making questions with each other; discussion of problems with each other can solve a concern. Patient safety can be achieved by proper collaboration and ineffective collaboration damaged the patient safety. There should be timely, precise and clear communication between nurses and physicians to achieve collaboration, which improves patient safety.

Previous studies indicate that there should be understanding between nurses and physicians by discussing each other's concerns to improve patient safety. To overcome the patients problems, nurses should advocate the problems of patients to physicians and physicians should pay attention to increase patient safety.

Significance of the Study

The nurse physician communication has a vital role in tertiary hospital for patient safety. As tertiary hospital deals with high volume of patients and there is so much overwork and overload on nurses and physicians to deal with. So it is very important to collaboration and understanding between nurse and physician to achieve patient safety in a tertiary hospital. Tension and miscommunication between nurse and physician impact negatively on patient safety. This research work has discovered the major communication barriers among nurse and physician communication in long term patient safety.

Research Questions

- What are barriers to operational communication among nurses and physicians?
- 2. What are the reasons behind the communication barriers between nurse and

- physicians?
- 3. What are the nurses' perceptions of nursephysician communication in long-term care setting?

REVIEW OF LITERATURE

To achieve patient safety in hospitals good communication among physicians and nurses is the important element. Historical relationship, difference of workplaces, individual personalities, and different languages are the noticeable barriers among nurse-physician communication. Due to the different individual personalities of nurses and physicians, they lack to collaborate with each other which cause communication gab and affect patient safety.9 Gender and education differences are also the barriers to better communication between the two professionals. Different backgrounds of two officials are also the communication barrier. Physicians focus on the technical skills of cured diseases, on the other hand, nurses develops personal skills to facilitate patients¹¹

The collaboration is difficult because the different backgrounds of both officials, as both are trained in different institutions. The increased workload creates less communication which is a clear barrier in communication. Due to busy schedules, both professionals make priorities of communication, but these priorities are inconsistent often across professions. There are multifaceted reasons for communication barriers, i.e. individuals work attitude, personal behavior, organizational factors.

Culture of organization, demanding environment, autonomy, deficiency in team training, internprofessional meetings' lacking, less accountability, lacking in defining roles, payment issues and schedule differences are the communication barriers associated with workplace. There was less communication among the evening shift as compare to the day shift.¹²

Lancaster *et al.*, (2015).³ discovered the different point of views of nurses and physicians about the achieving goals of patient safety. They were disagreed on oxytocin administration and fetal assessment which are critical to patient safety. This creates mutual frustration and impact badly on the teamwork. They recommended the better teamwork could achieve better results for patient safety. Unsettling behavior including rough language and aggressive behavior in between healthcare workers can cause medical errors, contribute to poor patient safety.¹³ Lack of experiences regarding co-education include the two professionals creates lack of understanding which leads towards less patient safety.⁵

Gonzalo *et al.*, (2014)¹⁴ demonstrated severe different factors associated with nurse-physician communication barriers. Less collaboration, openness, frustration, challenges regarding logistic, difficulties in language and preparedness of nurses. Patient safety could be improved by creating good relationships among physicians and nurses. Therefore, it is necessary to develop understanding between the two professionals for better results in patient safety. Verbal communication leads towards the sharing opinions and suggestions about condition of patients as well as non-verbal communication does.^{1,15}

RESEARCH METHODOLOGY

This research was quantitative & cross sectional; a self-administered questionnaire was the tool used for analysis. The population of the present study comprised of 80 nurses and 120 physicians at General Hospital, G.M. Abad, Faisalabad, Pakistan through www.surveysystem.com. Sample was randomly selected by using computer generated random number (www.random.org). 60 Nurses and 90 Physicians at Govt. General Hospital, GM Abad, Faisalabad was target population of the current study. Questionnaire consisted on five-point Likert scale (Strongly Disagree (1), Disagree (2), Neutral (3), Agree (4) and Strongly Agree (5).

The data of current research study was analyzed with the help of statistical software which known as SPSS (Statistical Package for Social Sciences) version 21. Descriptive statistics i.e. Mean, Standard Deviation, Chi Square and Frequency Distributions were used for the description of trends in the data.

RESULTS AND DISCUSSION

In table 1, demographic characteristics of the respondents are given, i.e. gender, marital status, education, shift rotation etc. is given.

Communication Barriers

DISCUSSION

There is the existence of multiple barriers to affect the nurse physician communication in a healthcare unit. These barriers are permanent and are consistent enough to have a negative impact on patient safety.¹⁰ Burns (2011) agreed on

Gender	Freq	uency	Percentage (%)	
Male	7	2	48.0%	
Female	7	8	52.0%	
Total	1	50	100.0%	
Designation	Freq	uency	Percentage (%)	
Designation	Male	Female		
Nurse	0	60	40.0%	
Physician	72	18	60.0%	
Total	72 78		400.00/	
Iotai	1	50	100.0%	
Marital Status	Freq	uency	Percentage (%)	
Single	į	56	37.3%	
Married	(94	62.7%	
Total		150	100.0%	

Desig-	Frequency							
nation	Diploma	BSN	MSN	PhD	MBBS	FCPS /Consultant Surgeon/ Physician	Total	
Physician		0	0	0	58	32	90	
Nurse	40	19	1	0	0	0	60	
Total	40	19	1	0	58	32	150	

Design-		Sh	ift	
ation	Morning	Evening	Night	Total
Physician	44	23	23	90
Nurse	26	17	17	60
Total	70	40	40	150

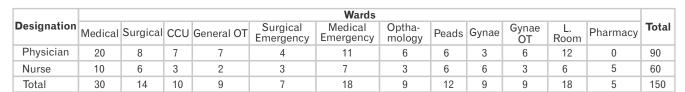


Table 2: Summary Communication barriers between Nurse-Physician							
Communication Barrier	Agree	Disagree	Strongly Agree	Strongly Disagree	Neutral		
Age Difference	38 (25.3%)	103 (68.7%)	0	9 (6.0%)	0		
Gender Difference	21 (14.0%)	126 (84.0%)	0	2 (1.3%)	1 (0.7%)		
Cultural Difference	27 (18.0%)	107 (71.3%)	5 (3.3%)	9 (6.0%)	2 (1.3%)		
Religious Difference	11 (7.3%)	99 (66.0%)	0	34 (22.7%)	6 (4.0%)		
Colloquial Language Difference	125 (83.3%)	12 (8.0%)	1 (0.7%)	9 (6.0%)	3 (2.0%)		
Felling Despondency and Apathy	14 (9.3%)	124 (82.7%)	1 (0.7%)	8 (5.3%)	3 (2.0%)		
Lack of knowledge	2 (1.3%)	126 (84.0%)	4 (2.7%)	16 (10.7%)	2 (1.3%)		
Low Self-esteem	1 (0.7%)	126 (84.0%)	0	21 (14.0%)	2 (1.3%)		
Negative Attitude	11 (7.3%)	125 (83.3%)	0	13 (8.7%)	1 (0.7%)		
Unpleasant previous encounters	35 (23.3%)	94 (62.7%)	1 (0.7%)	12 (8.0%)	8 (5.3%)		
Overwork	72 (48.0%)	59 (39.3%)	4 (2.7%)	5 (3.3%)	0		
Lack of time	51 (34.0%)	86 (57.3%)	2 (1.3%)	8 (5.3%)	3 (2.0%)		
Multiple Jobs and Fatigue	34 (22.7%)	85 (56.7%)	6 (4.0%)	17 (11.3%)	8 (5.3%)		
Awareness of Duties	26 (17.3%)	57 (38.3%)	60 (40.0%)	5 (3.3%)	2 (1.3%)		
Resistance and Reluctance	39 (26.0%)	89 (59.3%)	4 (2.7%)	12 (8.0%)	6 (4.0%)		
Lack of Focus	48 (32.0%)	84 (56.0%)	3 (2.0%)	10 (6.7%)	5 (3.3%)		
Unfamiliar enviro- nment of hospital	127 (84.7%)	15 (10.0%)	6 (4.0%)	2 (1.3%)	0		
Busy environment	134 (89.3%)	8 (5.3%)	6 (4.0%)	1 (0.7%)	1 (0.7%)		
Physical Appearance	118 (78.7%)	17 (11.3%)	7 (4.7%)	4 (2.7%)	4 (2.7%)		
Verbal Expression (tone, pitch)	128 (85.3%)	4 (2.7%)	11 (7.3%)	0	7 (4.7%)		

Non-verbal Expression	123 (82.0%)	11 (7.3%)	8 (5.3%)	6 (4.0%)	2 (1.3%)
Level of Education	97 (64.7%)	40 (26.7%)	7 (4.7%)	6 (4.0%)	0
Incompatibility of Environment	120 (80.0%)	21 (14.0%)	6 (4.0%)	3 (2.0%)	0
Noisy Environment	114 (76.0%)	18 (12.0%)	12 (8.0%)	5 (3.3%)	1 (0.7%)
Briefing of relevant clinical information	96 (64.0%)	42 (28.0%)	11 (7.3%)	1 (0.7%)	0
Lack of Attention	113 (75.3%)	17 (11.3%)	18 (12.0%)	1 (0.7%)	1 (0.7%)

Table 2(b): Summary Communication barriers between Nurse-Physician										
Communication	Agree		Disa	gree	Strongly Agree		Strongly Disagree		Neutral	
Barrier	P*	N**	P*	N**	P*	N**	P*	N**	P*	N**
Age Difference	25	13	56	47	0	0	9	0	0	
Gender Difference	17	4	70	56	0	0	2	0	1	0
Cultural Difference	23	4	55	62	3	2	7	2	2	0
Religious Difference	7	4	46	53	0	0	31	3	6	0
Colloquial Language Difference	77	48	4	8	0	1	9	0	0	3
Feeling Despondency and Apathy	9	5	74	50	0	1	7	1	0	3
Lack of Knowledge	0	2	73	53	4	0	11	5	2	0
Low Self-esteem	0	1	72	54	0	0	17	4	1	1
Negative Attitude	1	10	78	47	0	0	10	3	1	0
Unpleasant previous encounters	1	34	73	21	0	1	12	0	4	4
Overwork	50	22	32	27	2	2	4	1	2	8
Lack of time	30	21	49	37	2	0	8	0	1	2
Multiple Jobs and Fatigue	22	12	55	30	6	0	5	12	2	6
Awareness of Duties	5	21	26	31	53	7	5	0	1	1
Resistance and Reluctance	5	34	68	21	3	1	12	0	2	4
Lack of Focus	17	31	60	24	2	1	10	0	1	4
Unfamiliar enviro- nment of Hospital	67	60	15	0	6	0	2	0	0	0
Busy environment	79	55	4	4	5	1	1	0	1	0
Physical Appearance	80	38	4	13	6	1	0	4	0	4
Verbal Expression (tone, pitch)	78	50	2	2	10	1	0	0	0	7
Non-verbal Expression	79	44	3	8	7	1	0	6	1	1
Level of Education	76	21	6	34	6	1	2	4	0	0
Incompatibility of Environment	67	53	18	3	5	1	0	3	0	0

Noisy Environment	71	43	5	13	11	1	2	3	1	0
Briefing of relevant clinical information	54	42	24	18	11	0	1	0	0	0
Lack of Attention	70	43	2	15	17	1	1	0	0	1

Table 3: Significant Communication Barriers between **Nurse-Physician Communication** Communication Agree Disagree Strongly Strongly Neutral **Barrier** Agree Disagree Colloquial Lang-125 12 3 (2.0%) (6.0%) (8.0%) (0.7%)uage Difference (83.3%) Overwork 0 (48.0%) (39.3%)(2.7%)(3.3%)Unfamiliar environ-127 15 6 2 0 (84.7%) (10.0%)(4.0%)(1.3%)ment of hospital 134 6 Busy environment 1 (0.7%) (5.3%)(0.7%)(89.3%) (4.0%)Physical 118 17 4 (2.7%) (78.7%)(11.3%)(4.7%)(2.7%)Appearance Verbal Expression 128 11 0 7 (4.7%) (85.3%) (2.7%)(7.3%)(tone, pitch) Non-verbal 123 11 8 6 2 (1.3%) (4.0%) Expression (82.0%) (7.3%)(5.3%)Level of Education 0 (4.0%) (64.7%) (26.7%)(4.7%)120 21 Incompatibility of 0 (80.0%) (14.0%)(4.0%)(2.0%)Environment 12 5 114 18 1 (0.7%) Noisy Environment (76.0%)(12.0%)(8.0%)(3.3%)11 Briefing of relevant 0 (0.7%)clinical information (64.0%) (28.0%) (7.3%)113 17 18 1 (0.7%) Lack of Attention (11.3%)(0.7%)(75.3%)(12.0%)

Table 4: ANOVA for the Colloquial Language Difference as a Communication barrier								
ANOVA								
Sum of Squares df Mean Square F Sig								
	Between Groups	2.970	4	.742	3.123	.017		
Gender	Within Groups	34.470	145	.238				
	Total	37.440	149					
	Between Groups	3.765	4	.941	4.234	.003		
Desig- nation	Within Groups	32.235	145	.222				
	Total	36.000	149					
Shift	Between Groups	5.288	4	1.322	1.039	.389		
	Within Groups	184.472	145	1.272				
	Total	189.760	149					

this as well as he pointed out the multiple barriers in nurse-physician communication including the major factor of less time which negatively impact on communication between nurse and physician. Both professionals remains busy in a tertiary hospital due to overloaded work, which force them to less communicate between each other and this cause the misunderstanding and less collaboration among them. This impact directly and negatively on patient safety.

This research work found different communication barriers i.e. respondents' majority (48.0%) were agree that overwork and overload as a barrier, 84.7% respondents agree that unfamiliar environment as a barrier, 78.7% of the respondents consider physical appearance as a barrier, 85.3% respondents agreed on verbal expression as a barrier, 64.7% consider the difference in educational level as a communication barrier, 80.0% replied the environment's incompatibility as a significant communication barrier. 76.0% signifies noise in wards as communication barrier and 75.3% of the respondents stated that lack of attention as a nurse-physician communication barrier.

There is different point of views of physician and nurse about communication (Nathansonet al., 2011). Different opinions of both professionals affect the teamwork in healthcare unit (Sollamiet al., 2015). It was a statement from nurses about the not sharing decisions by doctors with them, while on the other hand, doctors were unaware from this conflict and they did not show their concerns about less collaboration with nurses (Nathansonet al., 2011).

Nurses and physicians established the identity of their own profession and each of them favours their own profession fellow (Burford, 2012; Weller, 2014). Likewise, a study in Canada, it was found that different health professionals hardly gave input during rounds. They briefed facts in a limited manner, and opinions and questions from nurses were ignored by physicians associated with patient care (Zwarenstein, Rice, Gotlib-Conn, Kenaszchuk, & Reeves, 2013). There have been interruptions in physician and

nurse which obstruct the appropriate communication (Burns, 2011). There have been poor decision-making processes and poor planning which result these interruptions (McInnesset al., 2015).

Suggestions

Nurses and physicians should conduct daily rounds collaboratively to improve team work and communication. This would increase the satisfaction of patients and will bring nurses and physicians close as team member. By rounding together, nurses and physicians will increase the satisfaction of nurse and physician as well as it will increase the satisfaction of patient as well which will result better and improved outcomes of health care unit.

CONCLUSION

Effective communication between nurses and physicians is critical to patient safety, yet numerous challenges contribute to poor communication and an unhealthy reliance on individual action. This study found that colloquial language difference, overwork during duty hours, unfamiliar environment of hospital, busy environment of the ward, noise and traffic in ward, physical appearance, verbal expression (tone, pitch) difference, non-verbal expression, difference of level of education between nurse and physician, incompatibility of environment (temperature, seating arrangement, surrounding audience) noisy environment, lack of attention between nurse and physician were the major nurse-physician communication barriers at General Hospital, G.M. abad, Faisalabad.

REFERENCES

- 1. Burford, B. (2012). Group processes in medical education: learning from social identity theory. *Medical education*, 46(2), 143-152.
- 2. Burns, K. (2011). Nurse-physician rounds: A collaborative approach to improving communication, efficiencies, and perception of care.

Medsurg Nursing, 20(4), 194.

- De Meester, K., Verspuy, M., Monsieurs, K. G., & Van Bogaert, P. (2013). SBAR improves nurse–physician communication and reduces unexpected death: A pre and post intervention study. *Resuscitation*, 84(9), 1192-1196.
- Fernandez, R., Tran, D. T., Johnson, M., & Jones, S. (2010). Interdisciplinary communication in general medical and surgical wards using two different models of nursing care delivery. *Journal of Nursing Management*, 18(3), 265-274.
- 5. Flicek, C. L. (2012). Communication: A dynamic between nurses and physicians. *Medsurg Nursing*, 21(6), 385.
- Gonzalo, J. D., Kuperman, E., Lehman, E., & Haidet, P. (2014). Bedside interprofessional rounds: perceptions of benefits and barriers by internal medicine nursing staff, attending physicians, and housestaff physicians. *Journal of hospital medicine*, 9(10), 646-651.
- Hailu, F. B., Kassahun, C. W., &Kerie, M. W. (2016). Perceived Nurse—Physician Communication in Patient Care and Associated Factors in Public Hospitals of Jimma Zone, South West Ethiopia: Cross Sectional Study. *PloS one*, 11(9), e0162264.
- 8. Lancaster, G., Kolakowsky-Hayner, S., Kovacich, J., & Greer-Williams, N. (2015).Interdisciplinary communication and collaboration among physicians, nurses, and unlicensed assistive personnel. *Journal of Nursing Scholarship*, 47(3), 275-284.
- 9. Manojlovich, M., Harrod, M., Holtz, B., Hofer, T., Kuhn, L., & Krein, S. L. (2015). The use of multiple qualitative methods to characterize communication events between physicians and nurses. *Health communication*, 30(1), 61-69.
- Matziou, V., Vlahioti, E., Perdikaris, P., Matziou, T., Megapanou, E., & Petsios, K. (2014). Physician and nursing perceptions concerning interprofessional

- communication and collaboration. *Journal of interprofessional care*, *28*(6), 526-533.
- McCaffrey, R. G., Hayes, R., Stuart, W., Cassel, A., Farrell, C., Miller-Reyes, S., & Donaldson, A. (2011). An educational program to promote positive communication and collaboration between nurses and medical staff. *Journal for Nurses in Professional Development*, 27(3), 121-127.
- McInnes, S., Peters, K., Bonney, A., &Halcomb, E. (2015). An integrative review of facilitators and barriers influencing collaboration and teamwork between general practitioners and nurses working in general practice. *Journal of advanced nursing*, 71(9), 1973-1985.
- Nathanson, B. H., Henneman, E. A., Blonaisz, E. R., Doubleday, N. D., Lusardi, P., & Jodka, P. G. (2011). How much teamwork exists between nurses and junior doctors in the intensive care unit?. *Journal of advanced nursing*, 67(8), 1817-1823.
- Pesko, M. F., Gerber, L. M., Peng, T. R., & Press, M. J. (2018). Home Health Care: Nurse-physician Communication, Patient Severity, and Hospital Readmission. *Health services research*, 53(2), 1008-1024.
- Renz, S. M., Boltz, M. P., Wagner, L. M., Capezuti, E. A., & Lawrence, T. E. (2013). Examining the feasibility and utility of an SBAR protocol in long-term care. *Geriatric Nursing*, 34(4), 295-301.
- Robinson, F. P., Gorman, G., Slimmer, L. W., & Yudkowsky, R. (2010, July). Perceptions of effective and ineffective nurse–physician communication in hospitals. In *Nursing forum* (Vol. 45, No. 3, pp. 206-216). Blackwell Publishing Inc.
- 17. Shannon, D., & Myers, L. A. (2012). Nurse-to-

- physician communications: Connecting for safety. *Patient Safety and Quality Healthcare*, *9*(5), 19-26.
- Sollami, A., Caricati, L., & Sarli, L. (2015).
 Nurse-physician collaboration: A meta-analytical investigation of survey scores. *Journal of Interprofessional Care*, 29(3), 223-229.
- Tang, C. J., Chan, S. W., Zhou, W. T., &Liaw, S. Y. (2013).
 Collaboration between hospital physicians and nurses: an integrated literature review. *International Nursing Review*, 60(3), 291-302.
- Tschannen, D., Keenan, G., Aebersold, M., Kocan, M.
 J., Lundy, F., & Averhart, V. (2011). Implications of nurse-physician relations: Report of a successful intervention. *Nursing Economics*, 29(3), 127.
- 21. Weller, J., Boyd, M., & Cumin, D. (2014). Teams, tribes and patient safety: overcoming barriers to effective teamwork in healthcare. *Postgraduate medical journal*, 90(1061), 149-154.
- 22. Wu, R. C., Tran, K., Lo, V., O'Leary, K. J., Morra, D., Quan, S. D., & Perrier, L. (2012). Effects of clinical communication interventions in hospitals: a systematic review of information and communication technology adoptions for improved communication between clinicians. *International journal of medical informatics*, 81(11),723-732.
- 23. Zwarenstein, M., Rice, K., Gotlib-Conn, L., Kenaszchuk, C., & Reeves, S. (2013). Disengaged: a qualitative study of communication and collaboration between physicians and other professions on general internal medicine wards. *BMC health services research*, 13(1), 494.

	AUTHORSHIP AND CONTRIBUTION DECLARATION						
Sr. #	Author's Full Name	Contribution to the paper	Author's Signature				
1	Tasleem Raza		Taken 198				
2	Shafquat Inayat		diffet				