Content Analysis of Gossip at Different Levels of a Hospital

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Background: Most societies have a negative attitude toward gossip and managers are concerned about the impact of gossips on the communication in an organizational environment. Our study examined the perception of gossip, and the context of gossip at different levels of a hospital, a case of organization with high communicational relation among staff. Also, the differences between the gossip context within the organizational context and within the social environment have been considered.

Methodology: Semi-structured interviews were conducted with 27 informants, 9 in each of three groups: nurses, supervisors and managers of the Hospital. Recorded interviews were analyzed using content analysis, and results for each group of respondents were compared. Finally, the main gossiping issues for each group were categorized.

Results: The study revealed that the topics of gossip in a hospital can be divided into eight main categories, and 34 sub-categories all identifiable by special topics. These main topics included confidentiality issues, merits, financial status/standing, personal characteristics, position, communications, biography, and job conditions. In terms of organizational gossip, a person's merit in the workplace and financial standing were of particular interest to the participants of this study. Also, the gossip topics at different levels among nurses, administrators, and managers had significant differences.

Conclusion: Managers should acknowledge different gossip contents among people at different organizational levels, and that employees do not have the same motives for communication at different organizational levels. Additionally, the distances between contents in the Tendency to Gossip Questionnaire and categories in the organizational environment need more studies, to explore precedents and outputs. Managers may use these findings to facilitate organizational change and communication.

Keywords: *Gossip in organizations, Construct of gossip, Content analysis, Informal communication*

1 Introduction

Gossip is an “evaluative informal discussion about the social environment member who is absent” (Dores Cruz, Nieper, Testori, Martinescu, & Beersma, 2021; Lee & Workman, 2013). People are, with a significant frequency, volunteers of gossiping (Beersma & Van Kleef, 2011) and gossiping is effective on pro-social behavior and on the intention to volunteer (Eckhaus & Ben-Hador, 2020).

However, most societies have a negative attitude toward gossip, but on the other hand, view gossip as a form of verbal communication to praise or denigrate people (Ceylan & Çetinkaya, 2020), or as a player in employees task-related behavior (Tan, Yam, Zhang, & Brown, 2021). From the perspective of organizational managers, because gossip can cause problems in the organization, managers should be concerned with the content of gossip in the organizational environment (Witteck, Hangyi, Van Duijn, & Carroll, 2000). In fact, a one-dimensional (negative) view of peo-

ple on gossip has led managers to have the opinion that it should be eradicated from organizations, claiming that employees “steal” money from the organization by getting involved in gossiping, not working hard, and wasting their time (Noon & Delbridge, 1993). However, some studies indicate that gossip can play both positive and negative roles in organizations and have various effects on organizations’ management and staffing (Chang & Kuo, 2020; Ellwardt, Labianca, & Wittek, 2012). In general, researchers remain ambivalent about gossiping with some claiming it can positively help managers make better decisions, yet others considering it to be detrimental (Clegg & van Iterson, 2009). Gossip is naturally consistent with informal organizational networks and informal structures of organizations have a mutual relationship with their formal structures so that similar functions might be expected for gossiping in both networks (Mills, 2010).

Researchers have categorized gossip into two types: positive and negative (Grosser, Kidwell, & Labianca, 2012), with each type having different functions and results. In a study in an organizational environment, Georganta, Panagopoulou, and Montgomery (2014) found that negative gossip in a hospital is positively correlated with emotional exhaustion, depersonalization, and suboptimal care, and is negatively correlated with patient safety culture and job commitment. Another study showed that gossips turned out to be an important determinant regarding women’s motivation for and ability to participate in health-promoting activities. Moreover, gossip was identified as a factor strongly undermining their health and sense of wellbeing (Aambø, 2017) and that, employees who are exposed to gossip feel sad and angry and distrust the organization in which they are working (Şantaş, Uğurluoğlu, Özer, & Demir, 2018).

A review of a significant number of studies shows that people participate in positive and negative gossiping for many reasons and may have different aims (Foster, 2004; Liff & Wikström, 2021; Michelson, Van Iterson, & Waddington, 2010). In this regard, Foster (2004) argues that in a social structure, people participate in gossiping for four reasons: information, entertainment, influence, and friendship. Furthermore, studies indicate that employees’ level of neuroticism moderates the positive effect of the workplace, negative gossip, and work-family conflict. It also moderates the mediating effect of workplace negative gossip on employees’ work-family conflict by psychological distress (Liu, Wu, Yang, & Jia, 2020). However, the researchers found that people with higher perceived insider status in the organization are more likely to be interested in positive gossip because of their more desirable treatment and the motivations offered by their organization and supervisor. Hence, in order to foster positive gossip and detract negative gossip in an organization, it is necessary to make people feel as though they are insiders and depend on their organization (Kim, Moon, & Shin, 2019).

Additionally, recent studies show that a tendency to gossip through different levels may result in different outcomes. For example, positive gossip among managers affects commitment and recognition in subordinates (Chang & Kuo, 2020) which are clues to reconsidering gossiping in organizations at different organizational levels and in a top-down manner.

To our best knowledge, the only available model in the field of gossip content is the study by Nevo, Nevo, and Derech-Zehavi (1993) who defined gossip according to its four aspects of physical appearance, social information, achievement, and sublimation. Their proposed model Tendency to Gossip Questionnaire (TGQ) was based on the study conducted on students in a learning environment and has adopted a social perspective.

Some factors cause organizational environments to differ from each other, including purposes, strategies, different operational, management levels, and the nature of the job a person has. Some official rules and regulations in organizations make these differences more pronounced. A simple example of such laws and regulations is the uniforms worn by employees of an organization, which makes their clothes more unified and reduces variety (Lee & Workman, 2013), consequently reducing the curiosity of people, causing them not to use gossip on clothing as a means of comparison. Physical appearance in TGQ model is the first priority and has the most prominence and frequency; people speak and show curiosity about the changes and diversity of dresses, appearances, and behaviors.

In addition, gossip has its roots in interaction and communication, and its amount may vary at different organizational levels. Subordinates may use negative gossip to put the supervision under motion and cognitive threats (Ye, He, & Sun, 2021). Moreover, organizational factors that can contribute to gossip may have different effects at various levels. For instance, nurses, as frontline employees of the hospital, work under stressful conditions and are more likely to spread gossip. Gossips among nurses can improve their social ties regardless of the generated positive or negative gossip (Thomas & Rozell, 2007). The findings revealed that gossip helps nurses express their feelings and overcome their difficult and stressful working conditions (Waddington, 2005; Waddington & Michelson, 2007). The change in speaking topic from working to personal releases employees’ minds from the stressful conditions of patients and the hospital and provides them a way of coping with strategy (Georganta et al., 2014).

Considering the role of gossip in the organization, its role in hospitals is valuable to study in hospitals where communication is very important in the healthcare system performance and nurses’ job outcomes (Ardabili, 2020). At a first glance, the outcomes of the hospitals have been affected positively by information technology (Arfara, Tsivos, Samanta, & Kyriazopoulos, 2017) and gossip is the way to boost the ability of informal communication

and transference of information. In the wake of such influence, it stands to reason that the causes and consequences of gossip may be different in organizational environments compared to non-organizational ones. To determine whether such differences exist, the basic structures of organizational gossip should be identified to facilitate the distinction between social and organizational gossip.

The present study aimed to investigate the contents of the organizational gossip and answer the following questions:

- Which types of gossip exist in an organizational environment?
- What do employees say about others?
- Do these topics have distinct constructs and groupings?
- Does the gossip content change according to the organizational levels?

2 Literature Review

The role of gossip in organizations has been considered recently and gossip is of critical importance in management, due to its role in reinforcing social bonds and formal work structures (Liff & Wikström, 2021) and also because of its effects on informal communication. However, many researchers have analyzed the role of organizational gossip in a limited form (Hallett, Harger, & Eder, 2009), paying little attention to its positive impact on organizations (Eckhaus & Ben-Hador, 2020) and different organizational groups in achieving organizational goals. Fan and Dawson (2021) explained that social interactions are often viewed as activities beyond the edges of organizational life so less value has been attributed to gossip in organizations by managers, even though gossip is “at the core of human social relationships” (Michelson et al., 2010).

Enhancing employees’ performance levels in health-care systems, especially nurses, is important for both health institutions and patients who are in direct contact with patients (Durmuş, Kirilmaz, & Şahin, 2020). Covid-19 pandemic showed that the healthcare professionals’ job performances and effective services are important in the face of busy, long, and stressful working conditions. But high stress in the work environment and increasing pressure and concern, affect the amount of gossip shared (Bulduk, Özel, & Dinçer, 2016).

2.1 Gossip, Culture, and Organizations

Gossip has been identified as a tool that helps people to know and understand their social environment better. As social interaction, some people do gossip for various reasons such as group protection, self-interest, or evolutionary needs (Bechtoldt, Beersma, & Dijkstra, 2020). But

there is no evidence for specific motives for gossiping in an organizational context. In the organizational view, managers try to enhance productivity through developing the quality of work-life, well-being, and motivating employees (Abdi, Chaib, & Verzea, 2020) which may be mediated or affected by gossiping in various ways, e.g., through positive gossip about managers to increase commitment to the managers (Chang & Kuo, 2020). In instances where information transfer cannot be done through official channels, gossip can help people understand the environmental conditions better, and cause environmental recognition in organizations through which people gain the ability to compete for organizational bonuses and promotions (Kniffin & Wilson, 2010). From the perspective of cultural learning, gossip can teach people how to be successful in an environment and how to learn from others’ mistakes (Grosser, Lopez-Kidwell, & Labianca, 2010). Moreover, when assessing their performance and determining ways to improve it, employees can be assisted by gossip to collect information and compare themselves with others (Waddington & Michelson, 2007).

The exchange of information through gossip can also reduce stress and anxiety in situations, such as organizational changes, by implementing group norms and strengthening social bonds in the organization (Kniffin & Wilson, 2005). People motivated to protect the group may spread negative gossip on members whose behaviors violate the norms of the group and spread positive gossip on behaviors that conform to group norms and strengthen them (Ellwardt et al., 2012), because as defined earlier, gossip is an informal discussion in the social environment on an absent member (Babaei Aghbolagh & Ardabili, 2016; Lee & Workman, 2013). This gossiping occurs in such a way that people may not show the same reaction to strangers (Beersma & Van Kleef, 2012). Thus, this process can be helpful in educating members on organizational culture (Michelson et al., 2010). Accordingly, it is argued that gossip, through cultural education and social comparison by which people take actions to improve their position and performance, can lead to improvements in organizational performance.

2.2 Gossip and Organizational Changes

Gossip is also used to express concerns and feelings on threats to an organization’s internal policies and may cause some resistance to the implementation of change programs (Ybema, 2004). Based on this viewpoint, gossip can act as a process through which administrative privileges are put to challenge and questioned and the powers of management to control the organization is diminished. Employees have various forms of interpersonal relations among employees, such as competition, and gossip can erode the unity and continuity of organizations as well as

negatively influence the efficiency of organizations' goals and programs (Noon & Delbridge, 1993).

Stated differently, the positive or negative effects of gossip in organizations depend on the conditions, atmosphere, and manner of management in organizations. Common examples of organizational changes that create gossip are appointment and dismissal of directors of organizations (Gholipour, Fakhri Kozekanan, & Zehtabi, 2011). Such changes, similar to other changes, cause untrustworthiness and hesitation in people's organizational life and have the potential to engage all employees in the process of spreading gossip. Following changes, some information of varying accuracy has been released on people, such as candidates for management positions, a dismissed manager, and people involved in the manager selection (Mills, 2010). However, such gossip can have both positive and negative functions (Rosnow & Foster, 2005) in a way that people remove ambiguities, create a common sense, and relieve produced stress and anxiety by speaking on that area.

Despite the importance of gossip content, specific studies on the extraction of subjects and content of gossip in an organization at different levels have not been conducted. Hence, whether the content of the gossip at all levels is the same or the dimensions of gossip and their importance are subject to change as the organizational level rises remains unknown. To this end, the present study aimed to study the content of gossip and its dimensions in a reputable and reliable manner through which the tools to measure the gossip and differences in various groups and organizations with different cultures can be developed.

3 Methodology

3.1 Participants

To analyze gossip in an organizational context and to show its differences with gossip in the non-organizational environments (e.g., a school in TGQ model), participants of the study should have been selected from an organization where employees have high social interactions. The need for teamwork should also be evident in the organization and it should not merely focus on individual administrative activities to identify content and themes of gossips. For this purpose, 27 nurses, experienced hospital supervisors, and managers were selected randomly from Imam Khomeini Hospital in Ardabil from December 2019 to February 2020 to specify important involved issues from different perspectives. The selected participants were the most experienced persons in their group based on the Hospital management report. Among selected participants 44% were men, and 39% aged between 30-40, 52% aged higher than 41 years.

3.2 Interview Procedure

Semi-structured interviews were conducted so as to facilitate a free flow of ideas with the respondents and generate information-rich data based on the clinical method of interviewing (Dapkus, 1985) to understand the meanings conveyed in communication contents between people in organizations. All participants ensured about Anonymity, Privacy, & Confidentiality of the interviews.

One main area was covered in the interview: What do employees say about each other? The responses were allocated three subcategories:

- 1) People's favorite subjects in daily life (e.g., what issues would employees like most to talk about with others in their interpersonal interactions?),
- 2) People's conversations on others' issues in the time of organizational changes (e.g., which gossips are exchanged among employees in the shift-change time of staff and management, etc.), and
- 3) The subjects of staff or conversations in the time of change in the quality of interpersonal relations (e.g., if the employees have personal disputes, how they speak about each other?).

These contents (Clegg & van Iterson, 2009; Grosser et al., 2010) are based on a comparison with the social gossip content to present the definition of organizational gossip (limited social structure).

The interviews were conducted over the course of 10 days through tape recording and in different places at the request of the respondents. The interviews had no time limit to allow the respondents to express their opinions easily and to avoid limiting the range of topics and codes in the analyses. This strategy was adopted to obtain a wide range of possible answers. Following the interviews, data analysis was carried out in three stages. First, the transcription of the recorded voices carried out as conversation analysis method (CA). The researchers aimed at identifying the potential themes and developing a formal codebook in the first stage. In the second stage, the research team used a sample text to ensure intercoder reliability for each of the themes in the codebook. When the researchers were able to make sure that they had established acceptable and appropriate intercoder reliability levels, they moved to the final stage and applied the codebook, in a systematic form, to the entire corpus of text (Kurasaki, 2000).

Step 1: Codebook Development

In this article, the grounded theory approach (Corbin & Strauss, 1990; Martin & Turner, 1986) was used to detect potential themes and develop a formal codebook. The grounded theory style of qualitative research has been used extensively, from psychology to information science to education to many communities of practice within health care and to management and organization studies. Indeed, in the domain of qualitative research, the original text has assumed canonical status (Locke, 2001).

Step 2: Inter-coder Reliability

At this point, four people were trained for coding, including the two interviewers. When the team completed the code definitions, the four coders were then tasked with coding the same sample of text independently to examine the consistency of text segmentation and code application. In order to test their understanding of each code, each of the four coders read the same portions of six interviews that were selected randomly and the text was marked for all of the thirty-four code categories. The marking behaviors of the coders were compared in order to calculate the measures of coder reliability. Based on Kurasaki's work (2000), the researchers calibrated the four coders to an agreed level of .70, according to the data presented during the training phase.

The researchers also instructed each coder in order to delineate text units and assign numeric code(s) to each text unit independently. A text unit is a unit of conversation representing a single message (McFadden, Seidman, & Rappaport, 1992), a distinguishing feature (Pennartz, 1986), or a change of subject (Dapkus, 1985).

During the open coding step, 191 open codes have been extracted. Then, regarding the similarities and differences of the codes, categorization has been done and summarized to 123 codes in 9 themes. Each theme encompasses sub-codes which totally reached to 16 concepts and 37 codebooks. Finally one theme has been deleted or combined to other themes after agreement calculation step, and resulted to eight final constructs. A sample, part of interview with one of nurses is as bellow:

.... all co-workers talk about how much others earn. But the payment details and how exactly we are measured were not clear. As colleagues say, some managers or even nurses receive more than others. I think it is different for everyone and those who have a friend among managers receive more. Mr... was after me. But he bought a new car soon, and I even heard that he wants to change his house. Does he deserve being promoted so fast? How much he earns? I am not sure about managers and supervisors' incomes, but I heard they have various advantages besides salary. So, it is not their concern how we live with such low wages. They are not worry about our problems because they earn well enough...I am not sure how I can get promoted. I have more than 10 years experiences and some of my colleagues, with less experience, are now my manager. It is clear that we should join the managers' team to get promoted. There are no obvious indexes to find a higher position and income.....

4 Results

We annotated the text by examining all initial six transcripts and performing the 'annotation' step. Annotations refer to the notes that are written in the margins with re-

gard to the interview's contents. For the following excerpt, for instance, the title "Salary" would constitute a typical annotation: "Have you heard that the salaries of operating room staff are supposed to increase?"

A verbatim list of all of the annotations was compiled. The annotations in this list were sorted into similar categories and subcategories by the two members of the research team. The redundancies were removed and an initial hierarchy of thematic categories was created. In light of the above consolidation step, forty thematic categories were identified.

The research team developed descriptive labels for each of the forty thematic categories in order to offer the intended meaning of each category. In the next step, they operationalized them and individual reports were generated for each of the themes in order to examine the taxonomy for possible redundancies that were missed during the earlier sorting step (Kurasaki, 2000). A number of redundancies were observed and, after additional sorting, thirty-seven themes were selected for further consideration (Table 1).

The research team applied a decimal numbering system to ensure that the numerical digits represent the different levels of the themes. For example, all themes assigned with a 1.x numeric code were related to finances. The digit following the decimal further distinguishes different types of finances, in no specific order. Numeric codes assigned to individual themes are presented in Table 1.

The codebook was further refined when training the two research assistants as coders. In the training session, the coders acquainted themselves with definitions, applications of the themes, and coding procedures (Kurasaki, 2000). At the coders' request, two amendments were made to the codebook. They unanimously chose to eliminate categories 7.2 (chances, destiny) and 7.3 (helping others' claims, the claim of advice, and solutions to others). They also decided to combine categories 7.1 and 6.4, and agreed that it better reflects its intended meaning. As a consequence of such amendments, the final codebook contained thirty-four categories and their corresponding numeric codes (Table 1).

To calculate agreement, we selected five interviews randomly. The five interviews were divided between coders who read and coded all five interviews individually. Then, to check the coders' agreement, we scored one on the parts of the interview agreed on in a group and scored zero on the parts no agreement was reached between the coders. This step can highlight the lack of compatibility and application of codes in each segment (MacQueen, McLellan, Kay, & Milstein, 1998).

Coder agreement results of the themes are provided in Table 2. Inter-coder agreement on the thirty-four themes ranged from .69 to 1.00 with a mean of .89. The highest agreements were on the supplemental received (1.2), financial situation (1.3), demeanor (5.1), dress (5.5), and

Table 1: Reliability of Encoding

<i>Theme List</i>	<i>Numeric code</i>	<i>Agreement</i>	<i>Theme List</i>	<i>Numeric code</i>	<i>Agreement</i>
Salary	1.1	0.99	Personality	5.3	0.96
Supplemental receive	1.2	1.00	Morality	5.4	0.85
Financial situation	1.3	1.00	Clothes	5.5	1.00
Economic activities	1.4	0.98	Personal appearance	5.6	1.00
Appointment and promotion	2.1	0.95	influence	6.1	0.82
Job displacements	2.2	0.87	Relations	6.2	0.78
Persons' brand	2.3	0.90	Association with power bases	6.3	0.83
Punishment and leaving jobs	2.4	0.79	Political Relations	6.4	0.88
Education	3.1	0.98	Combined with 6.4	7.1	-
Backgrounds	3.2	0.97	Deleted	7.2	-
Capabilities	3.3	0.69	Deleted	7.3	-
Achievements	4.1	0.88	Familial Culture	8.1	0.82
The effort	4.2	0.94	Aspects of life	8.2	0.87
Empowerment	4.3	0.80	Ethical issues	8.3	0.98
Performance	4.4	0.84	Family matters	8.4	0.85
Illegal activities	4.5	0.92	Security and comfort	9.1	0.86
Failure	4.6	0.85	Difficulty work	9.2	0.88
Demeanor	5.1	1.00	Business issues	9.3	0.90
Motivation	5.2	0.78			

Table 2: Descriptive labels of Constructs and Codes

Construct	Code	Construct	Code
Finance	Salary	Persons' communications	Influence
	Supplemental receive		Relations
	Financial situation		Association with power bases
	Economic activities		Political Relations
Persons' Positions	Appointment and promotion	Confidentiality issues	Familial Culture
	Job displacements		Aspects of life
	Persons' brand		Ethical issues
	Punishment and leaving jobs		Family matters
Persons' Biography	Education	Job conditions	Security and comfort
	backgrounds		Difficulty work
	Capabilities		Business issues
Merit	Achievements	Personal characteristics	Demeanor
	The effort		Motivation
	Empowerment		Personality
	Performance		Morality
	Illegal activities		Clothes
	Failure		Personal appearance

Table 3: Frequency and Prioritization of Groups Codes

Groups	Managers		Supervisors		Nurses			
Groups codes	F	P	F	P	F	P	Total F	P
Salary	6	2.8	9	4.2	15	8.1	30	4.9
Supplemental receive	3	1.4	13	6.1	25	13.5	41	6.7
Financial situation	8	3.8	6	2.8	11	5.9	25	4.1
Economic activities	5	2.4	2	0.9	0	0	7	1.6
Appointment and promotion	14	6.73	8	3.8	5	2.7	27	4.4
Job displacements	5	2.4	8	3.8	6	3.2	19	3.5
Persons' brand	2	0.9	3	1.4	3	1.6	8	1.3
Punishment and leaving jobs	0	0	6	2.9	2	1.1	8	1.3
Education	6	2.8	4	1.9	1	0.5	11	1.8
Backgrounds	10	4.8	4	1.9	2	1.1	16	2.6
Capabilities	4	1.9	4	1.9	0	0	8	1.3
Achievements	7	3.3	5	2.4	0	0	12	1.9
The effort	4	1.9	5	2.4	8	4.3	17	2.8
Empowerment	27	12.9	12	5.7	14	7.6	53	8.7
Performance	17	8.1	23	11	9	4.9	49	8.1
Illegal activities	7	3.3	4	2	0	0	11	1.8
Failure	7	3.3	10	4.8	5	2.7	22	3.6
Demeanor	5	2.4	7	3.3	6	3.2	18	2.9
Motivation	8	3.8	2	1	5	2.7	15	2.4
Personality	6	2.9	13	6.2	15	8.1	34	5.6
Morality	3	1.4	7	3.3	3	1.6	13	2.1
Clothes	2	1	5	2.4	3	0	7	1.2
Personal appearance	0	0	2	0.9	0	0	2	0.3
Influence	4	1.9	0	0	3	1.6	7	1.2
Relations	2	1	2	0.9	6	3.2	10	1.6
Association with power bases	9	4.3	8	3.8	8	4.3	25	4.1
Political Relations	8	3.8	1	0.5	3	1.6	12	2.0
Familial Culture	4	1.9	3	1.4	1	0.5	8	1.3
Aspects of life	6	2.9	9	4.3	5	2.7	20	3.3
Ethical issues	3	1.4	3	1.4	3	1.6	9	1.5
Family matters	10	4.8	7	3.3	7	3.8	24	4.0
Security and comfort	0	0	2	0.9	2	1.1	4	0.7
Difficulty work	2	1	6	2.9	6	3.2	14	2.3
Business issues	4	1.9	7	3.3	6	3.2	17	2.8
Total	208	100	210	100	185	100	603	100

F=Frequency, P= Percent of Answers for Each Group

personal appearance (5.6). The lowest agreement was on capabilities (3.3). These results are summarized in Table 1.

Step 3: Applying the Codebook Systematically to the Data

Descriptive labels were developed in order to display the intended meaning of codes as shown in the Table 2, perform thematic searches of all data, and count the number of occurrences for each one of the eight constructs. We calculated the frequency of thematic categories as an indication of the prominence of each thematic code (Table 3).

To investigate the importance of issues for staff, the frequency and average of the codes and constructs were calculated based on which the constructs were prioritized. Table 3 shows the frequency and average for each code with separated groups of employees.

As Table 3 shows, the highest frequencies in each of the three groups are different. For managers' empower-

ment (F=27), performance (F=17) and appointment and promotions (F=14) were the most frequent contents of gossip respectively. Among supervisors, however, performance got the highest rank with 23 frequencies and was followed by speak about personality and supplementary whose frequency was 13. Among nurses the topics frequencies were much different with supplementary receiving the first rank (F=25), personality the second rank (F=15) and empowerment the third rank (F=14).

Table 4 shows the frequency, frequency percentage, and average of constructs. As represented in Table 5, the construct of "merit" with total weighted average of 5.85, and frequency percentage of 27.52, was the first priority among the answers and Persons' biography with an average of 1.18 and 5.57 frequency percentage was the last priority (Table 4).

Table 4: Frequency and Prioritization of Construct

	Merit (R=1)	Finance (R=2)	personal character- istics (R=3)	Confidential- ity issues (R=4)	Persons' Positions (R=5)	persons' Communica- tions (R=6)	Job con- ditions (R=7)	Persons' Biography (R=8)	Total
Total frequen- cy	158	92	87	61	55	54	35	32	603
Percent	27.52	16.02	15.15	10.62	9.58	9.40	6.09	5.57	100
Average of managers	9.00	2.58	3.14	3.28	2.57	3.28	0.85	2.42	--
Average of supervisors	5.90	2.60	3.60	2.20	2.40	1.10	1.50	1.20	--
Average of nurses	3.60	4.80	2.90	1.60	1.30	2.00	1.40	0.30	--
Total average	5.85	3.40	3.22	2.25	2.03	2.00	1.29	1.18	--

R= Rank based on average score

In executives' group, punishment code and personal appearance were not presented in the answers and thus has zero repetition score. Empowerment is the most repeated theme. Among the group of supervisors, the code was not mentioned in the replies and the most frequent repetition was code performance. Among the nurses, the highest frequency (F=24) was related to supplementary received and the lowest frequency (F=0) was related to economic activities, capabilities, achievements, clothes, personal appearance, and illegal activities.

The difference test shows the average difference of answers among three groups of samples. Meaningfulness of a code's differences indicates that the corresponding code does not have the same importance in the viewpoints of all three groups, and could represent a potential difference among the respondents.

Analysis of variance among the eight constructs shows agreement/disagreement among respondents' comments on the defined codes, which suggests gossips in organizations, from the perspective of supervisors, nurses, and managers, are identical in some areas but differ in other areas. The difference between tasks, types of works and individuals' responsibilities at different organizational levels makes some factors significant for the staff to discuss among themselves. According to these three groups, one-way ANOVA test was applied to each variable. The tests for normality and homogeneity were done for these groups and the results verified for the ANOVA analysis. Table 5 shows the results of one-way ANOVA along with Leven test results for each constructs.

According to the coefficient of analysis of variance for constructs of personal characteristics (0.78) and job con-

Table 5: Results of ANOVA between constructs

		SS	df	MS	F	Sig.
Merit (Levene= .926; Sig.= .410)	Between Groups	120.107	2	60.054	26.063	.000
	Within Groups	55.300	24	2.304		
	Total	175.407	26			
Finance (Levene= .247; Sig.= .783)	Between Groups	30.804	2	15.402	17.023	.000
	Within Groups	21.714	24	.905		
	Total	52.519	26			
Personal characteristics (Levene= .162; Sig.= .852)	Between Groups	2.510	2	1.255	.789	.466
	Within Groups	38.157	24	1.590		
	Total	40.667	26			
Confidentiality Issues (Levene= .027; Sig.= .974)	Between Groups	11.757	2	5.878	5.144	.014
	Within Groups	27.429	24	1.143		
	Total	39.185	26			
Persons' Positions (Levene= 1.187; Sig.= .323)	Between Groups	8.749	2	4.374	4.005	.032
	Within Groups	26.214	24	1.092		
	Total	34.963	26			
Persons' Communications (Levene= .304; Sig.= .740)	Between Groups	19.671	2	9.836	22.855	.000
	Within Groups	10.329	24	.430		
	Total	30.000	26			
Job conditions (Levene= .622; Sig.= .545)	Between Groups	1.872	2	.936	1.265	.300
	Within Groups	17.757	24	.740		
	Total	19.630	26			
Persons' Biography (Levene= 2.143; Sig.= .139)	Between Groups	18.660	2	9.330	10.456	.001
	Within Groups	21.414	24	.892		
	Total	40.074	26			

SS = the sum of squares, DF = the degrees of freedom, MS = the mean sum of squares, F = the F-statistic, Sig. = the P-value.

ditions (1.26), which are not at significant levels, no difference was observed among the different groups on these constructs. The variance coefficients of constructs of merit (26.06), finance (17.02), confidentiality issues (5.14), persons' positions (4.0) persons' communications (22.85), and persons' biography (10.45) were significant, thereby suggesting the topics of organizational gossip have different importance among different groups, and organizational staff do not necessarily use common themes in gossiping.

According to these variables, due to the differences are statistically significant, post hoc analysis should be carried out for the reason behind the significant result. The results for Tukey's HSD test is shown in the Table 6.

For each height differences between points (Table 6), sub groups were shown in pairwise comparison. The results showed that all three groups are significantly different in Merit, and Persons' communications. Whereas gossiping about personal characteristics, and job conditions include all three groups in one subset. Therefore, there are no

differences between these three groups regards to gossiping contents about personal characteristics and job conditions. Interestingly, nurses and supervisors are same subset in finance and persons' biography and in both constructs managers stands alone in one separate subset. However, supervisors showed similarities with nurses and managers in constructs of persons' positions, and confidentiality issues.

5 Discussion and Conclusion

The first aim of this study was to identify gossiping contents in hospitals where employees are under huge work pressure and stress, especially during this Covid-19 period. The second aim of the study was to explore gossiping differences at organizational levels to show that employees at the various levels of a hospital, as an example of organization, do gossip significantly and the topics of their

Table 6: Post-Hoc analysis results for groups

<i>Merit</i>				<i>Finance</i>				<i>Personal characteristics</i>			
Subset				Subset				Subset			
1	2	3		1	2	3		1	2	3	
Managers	3.600			Nurses	2.571			Managers	2.900		
Supervisors		5.900		Supervisors	2.600			Nurses	3.142		
Nurses			9.000	Managers		4.800		Supervisors	3.600		
<i>Confidentiality Issues</i>				<i>Persons' Positions</i>				<i>Persons' Communications</i>			
Subset				Subset				Subset			
1	2	3		1	2	3		1	2	3	
Managers	1.600			Managers	1.300			Supervisors	1.100		
Supervisors	2.200	2.200		Supervisors	2.400	2.400		Managers		2.000	
Nurses		3.285		Nurses		2.571		Nurses			3.285
<i>Job conditions</i>				<i>Persons' Biography</i>							
Subset				Subset							
1	2	3		1	2	3					
Nurses	.857			Managers	.300						
Managers	1.400			Supervisors	1.200						
Supervisors	1.500			Nurses		2.428					

Tukey HSDa (subset for alpha = 0.05);

Means for groups in homogeneous subsets are displayed. Sig. = The P-value

gossips vary. The third goal was to categorize the contents of gossip in hospitals.

The results showed that the content of gossips in hospitals has some differences with the content of gossips in a social structure (Nevo et al., 1993) and is in line with the results of (Foster, 2004). This means that the context of the work provides or affects the content of gossip. Also, the aims of gossiping in hospitals are far different from the aims of gossiping in social environments. It was shown that the merit and financial issues got the first and second highest ranks between other constructs, respectively. Therefore, we can conclude that gossiping contents are various based on social or organizational milieu.

The second result of this study indicates that employees at organizational levels have different aims for gossiping. In line with Durmuş et al. (2020), we also found differences between employees at different levels of hospitals. These diversities may be rooted in the work attitudes and behaviors which are affected by work and need to adjustment. At the managerial levels, it may be for accessing relevant information in their decision-making (Liff & Wikström, 2021). But at the lower levels in hospitals, work stress and responsibility pressure make a stronger demand for group protection, coping strategies, and reducing stress. These findings are in contradiction to Wu, Birtch, Chiang, and Zhang (2018) findings. On the one hand, the themes of gossip, at the practical level of a hospital, are mostly individual oriented while on the other, at the higher

level of a hospital, contents tend to be organizationally oriented and includes issues such as performance. More to the point is that, the employees may use gossiping in response to their superiors' misbehaviors and to put them under pressure (Ye et al., 2021). This response helps them feel better and cope with situation, or acts as the conjunction between these levels (Michelson et al., 2010). Additionally, a transition in the organizational level (from nurses to managers) shows that the discussion topics on gossips shift from individual issues such as financial matters and receiving side benefits to human characteristics, such as performance and character leading to organizational issues including empowerment. This diversity may be rooted in the concerns in the hospital or due to the different situations of each group that affects their motivations for gossiping (Dores Cruz, Beersma, Dijkstra, & Bechtoldt, 2019). Nurses have the same concerns about the financial issues. Thus, the strategy for coping motivates them to speak about shared needs and situations. The same conclusion is generalizable for supervisors and managers. Their situations are varying, too.

However, the rules would provide a context for the growth of gossiping. Some official rules and regulations in organizations make differences more pronounced e.g., laws and regulations on uniforms (Lee & Workman, 2013).

The results also showed that gossip topics can be divided into eight groups involving main issues and their sub-codes involving 34 more minor issues. The main top-

ics of gossip include confidentiality issues, merits, financial issues, personal characteristics, individuals' positions, individuals' communications, individuals' biography, and job conditions.

The category of merits and financial affairs are the first two priorities that hospital personnel talk about. Personnel always seek to compare the ability and competence of others with their own abilities and competence and thereby make comparisons about revenues and supplements received from organizations or outside sources.

However, among managers and supervisors, merit is the first priority in comparison with other issues of gossip. This is while, among nurses, financial issues are of greatest importance. Compared with head nurses and hospital administrators, staff nurses do not benefit from suitable payments. Likewise, no acceptable payment transparency exists among nurses, making them attempt to spread gossip while their superiors mainly try to advance and succeed in their positions.

Furthermore, the analysis of the results between groups showed that however all three groups have similarities about gossiping, but the as person's position changed to managerial levels in the hospital, the gossiping constructs are going to more related to the job conditions. Also, people in organization have same gossip constructs based on their job situation. For example, all staff in all levels do gossip about job conditions. Therefore, the employee tries to find same issues for gossiping which means that even the positions in the organizations are in close relation with colleagues' concern.

Identifying the quality of relationships among members of organizations and gossiping activities can be a tool for managers to understand and better manage the conditions of their organizations and human resources.

5.1 Implications for Managers

Managers should know that the consequences of gossip can be both positive and negative (Michelson & Mouly, 2002), but its main function is to provide information related to the organization. The employees in an organization are likely to use gossip in response to organizational situations. Because of this, the contents of the gossip are different at different organizational levels. It can also be argued that within an organization, topics can be of varying importance based on job levels and hierarchies, such that the average frequency groups differ in all constructs except for private issues and personal characteristics.

The authors hope this study contributes to improving knowledge in the field of gossip and in examining the impact of organizational variables regarding the content of gossip. It is also hoped that managers take benefit of gossip to reduce organizational resistance to change through sharing information. The results of the study may be of practical use for checking organizational variables and

situations. The contents of the gossips would be helpful to find employees' concerns and viewpoints, even about appointments and evaluating the performance of the hospitals.

Limitations of this study, such as the number of people participating in the research and the qualitative method used should be considered in future studies. Also, due to the pandemic of Covid-19, employees in the hospitals are under a huge workload and stress, and therefore, the results may be different in normal time.

Future studies on different organizations are recommended. In particular, checking the gossip in virtual spaces and in different communities can contribute significantly to better identify the communication issues in virtual organizations and the formation of gossip in them. We also suggest studying employee roles in gossiping and their personality in and out of the job.

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