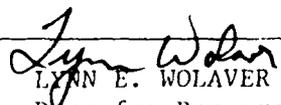


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ABSTRACT

PERSONALITY TYPES OF DIRECTORS OF NURSING
IN NURSING HOMES

CALVIN WAYNE WILLIAMS

The personality types of directors of nursing in nursing homes located in the State of Texas were identified in this descriptive research study. Insight into the personality types of these relatively unknown nurse executives was gained through mailing the Myers-Briggs Type Indicator and a Personal Demographics Sheet to a random selection of nursing directors. Three research questions were answered with: (1) the identification of ten personality types; (2) the indication that the predominant personality type was introversion-sensing-feeling-judgment (ISFJ); and (3) the determination that a significant difference in the personality types existed among the directors of nursing using chi square with Yate's Correction. A specific and exclusive personality type does not characterize the directors of nursing in Texas' nursing homes. Demographically, the majority of these nurse administrators can be described as married females in their late 30's, educated with an Associates Degree in Nursing, and licensed as Registered Nurses. These nurses have been associated with nursing homes less than five years and in their current director's positions less than one year. By identifying and describing the personality types of the nursing home directors of nursing, other nurses now have an opportunity to become aware

PERSONALITY TYPES OF DIRECTORS OF NURSING
IN NURSING HOMES

APPROVED:

Patricia H. O'Brien

(Supervising Professor)

Samuel T. Hughes, Jr.

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DEDICATION

With love to my wife, Mary Helen, and our son,
Christopher Calvin...our family can be forever.

PERSONALITY TYPES OF DIRECTORS OF NURSING
IN NURSING HOMES

by

CALVIN WAYNE WILLIAMS

Presented to the Faculty of the Graduate School of
The University of Texas at Arlington in Partial Fulfillment
of the Requirements
for the Degree of

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THE UNIVERSITY OF TEXAS AT ARLINGTON

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March 26, 1986

ABSTRACT

PERSONALITY TYPES OF DIRECTORS OF NURSING
IN NURSING HOMES

CALVIN WAYNE WILLIAMS, M.S.N.

THE UNIVERSITY OF TEXAS at ARLINGTON, 1986

Supervising Professor: Patricia H. Okimi

The personality types of directors of nursing in nursing homes located in the State of Texas were identified in this descriptive research study. Previous nursing studies have neglected identifying any characteristics about these nursing directors whose administrative roles are in transition. Changes brought by the expansion of health services in nursing homes to meet the rapid growth in the elderly population and those with chronic illnesses who need long-term care have placed new demands on the nursing directors. Any educational assistance rendered to these directors of nursing would be helped by the possession of knowledge about these individuals' personal characteristics. The purpose of

this study was to identify the personalities and begin the development of a personality profile on these nurse administrators. To achieve this purpose, three research questions were formulated: (1) What are the personality types of directors of nursing in nursing homes located in the State of Texas as measured by the Myers-Briggs Type Indicator?; (2) Is there a predominant personality type for the directors of nursing in nursing homes located in the State of Texas?; and (3) Is there a significant difference in the personality types found among the directors of nursing in nursing homes located in the State of Texas? Answers to these questions came from mailing the Myers-Briggs Type Indicator (MBTI) and the Personal Demographics Sheet to a random selection of 120 directors of nursing. Anonymity and confidentiality were provided to the subjects. The MBTI measures the four bipolar scales of a personality type theorized by Jung and Myers, namely extraversion-introversion, sensing-intuition, thinking-feeling, and judgment-perception. Additional characteristics were sought and provided on the Personal Demographics Sheet completed and returned by thirty-four of the subjects. Summarily, the majority of the nursing directors are married females in the age group of 35 to 44 years with nursing licensure as registered nurses. Academically, most of them have earned Associate Degrees and preferred

daytime continuing education programs dealing with supervisory and employee management. Two-thirds of the nursing directors have been associated with nursing homes less than five years. Nearly one-half of these individuals have been in the current director of nursing positions less than one year. Analysis of the thirty-four respondents' preferences on the Myers-Briggs Type Indicator yielded the identification of ten personality types. The ISFJ personality type of introversion, sensing, feeling, and judgment was the predominant type preferred by eight or 23.5 percent of the subjects. Calculation of the chi square with Yate's Correction for the distribution of personality types yielded a value of $\chi^2 = 30.30$ for a .02 level of significance. Based on this chi square value, there was a significant difference in the personality types of the directors of nursing in nursing homes located in the State of Texas. From the results of this study, one can conclude there is not a specific and exclusive personality type characterizing nurses who are directors of nursing in Texas' nursing homes.

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CHAPTER I

INTRODUCTION

Introduction

Who are the people in my neighborhood? This question is from a song played on a popular children's television program. Song listeners are asked to become familiar with the people who reside or work in their neighborhoods. An analogy may be drawn for nurses as the focus of patient care changes from the traditional hospital setting to that of the nursing home. Today's nurses who are employed in hospitals need to ask themselves, "Who are the nurses in my neighborhood?" More specifically, the question is, "Who are the nurses working in the nursing homes?" The answer may well be that hospital nurses do not know who these nurses are; however, their geriatric patients are getting to know them.

With today's cost constraints on hospitalization, many hospital discharged geriatric patients are entering local nursing homes for the continuation of their care. As this pattern of nursing home usage increases, the necessity arises for hospital nurses to have more contact with nursing home nurses to facilitate patient discharge planning and

continuity of care. As the nursing staffs from each of these health care areas communicate, they will learn more about each other that will be beneficial in the provision of nursing care to their mutually shared patients.

Leadership to facilitate the flow of communication between nurses must come from the nursing administrators. It is important that they know about each other and the respective health care environments in which they manage their nursing staff to provide patient care. While much is known about the personal characteristics of some hospital nurse administrators, very little is known about their counterparts in the nursing home (Eliopoulos, 1982; Garvin, 1984). Garvin's (1984) study of Texas hospital nurse administrators provides information about how they perceive facts and possibilities, and how they make judgments about the consequences and human values involved in a problem to be solved, situation to be dealt with, or a decision to be made. Nothing is known about the perception and judgment preferences of nursing home nurse administrators. This research study is an attempt to describe the way these nursing administrators prefer to use their minds in the way they perceive and the way they make judgments. Through these preferences that characterize an individual's personality, some insight may be gained into at least one aspect of who they are. Knowing more about them offers nurses opportunities to strengthen

the professional working relationship of nurses with nurses.

Statement of Problem

What are the personality types of directors of nursing in nursing homes located in the State of Texas?

Background and Significance

While studies of the characteristics of nurses and nurse administrators in hospitals have been conducted for some time, researchers have not given much examination to the personality characteristics of the directors of nursing in nursing homes. The lack of notice given to these nursing administrators may be due in part to the stigma attached to nurses employed in nursing homes. According to Eliopoulos (1982):

The stigma attached to geriatric nursing prevented many competent nurses, sensitive to their professional image, from entering this field and increased the burden of the many fine nurses who enjoyed this specialty. Rather than receiving support from colleagues, geriatric nurses found that often it was their fellow nurses to whom they had to justify their area of practice. Thus, two groups of nurses emerged in nursing homes-- a large group of incompetents and undesirables, and a small group of fine practitioners who received minimal to no support from the nursing community at large. The end product was a weak nursing mass who lacked strength and support, and capacity to retain power. (p. 448)

Eliopoulos (1982) maintains that the power and respect that these nurses possessed as directors of nursing was lost as their leadership role was changed to that of a figurehead which would help the nursing home retain its licensure and

receive reimbursement.

In recent years, a different type of attention has been directed toward the nurses and directors of nursing in nursing homes. The attention is on the expansion of the roles and functions of the nursing administrator and the staff nurse because of changes in thinking about long-term care facilities. According to Reif (1982), "Long-term care, particularly nursing home care is currently the fastest growing segment of the health services in the United States...." (p. 146). Reif indicated that there was a critical need for nurses with specialty training in gerontology and long-term care, and that:

The key reason for the shortage is the rapid growth of the elderly population, and, in particular, a sharp increase in the number of those over age 75 and others among the aged who have the highest risk of chronic illness and severe functional impairments. (p. 146)

The tremendous growth in the nursing home population demands not only an increase in the education and skills of the nurse to meet the challenges but it demands even more of the director of nursing to be sensitive and adaptive to the changes taking place. The director of nursing is in a better position than almost any other individual to establish a model of nursing care that promotes a high quality of life while caring for the illnesses of the residents in the nursing home.

The role of the director of nursing in the nursing

home is in transition from that of the past to a markedly different one of the future. Changes in the role and responsibilities of these nursing administrators are addressed in Roderick's (1984) perception that the:

Long-term health care managers of the future will have to temper their enthusiasm with pragmatic awareness of realities. They must be committed to changing fundamental patterns of organization, delivery, and accountability, and they must be obligated to meet demands for modification in the turbulent environment. The manager of the future long-term health care facility must be a leader, not a manager. He or she must be a political leader, with a vision of conceptualization, issue definition, social architecture, and clarity, and arrangement of organized and dignified human endeavor. Innovation in management will be fundamental in health care organizations of the future. Control will continue to be at the heart of the effective managerial practice in health. (p. 22)

The challenge to shift attitude, values, and nursing care views places a great demand on the director of nursing.

Eliopoulos (1982) stresses that:

The director of nursing role in the nursing home is at a significant crossroad. Demands are being placed on nursing homes as never as before to not only provide quality care but to demonstrate innovation, creativity and progressiveness. (p. 450)

The expanding role of these nurse administrators calls for them to step away from the figurehead position and clinical duties to be an administrator who can facilitate a reasonable balance between an efficient organization and an appropriate response to the needs of the patient.

To prepare the long-term care nursing administrators for tomorrow's leadership needs, educational programs must

be provided that will help them achieve these objectives.

This educational necessity is supported by Roderick (1984), who advises:

To provide the best possible long-term care, we must make proper personnel education, training, and utilization one of our highest priorities. The need for education and training in the long-term care field is critical. (p. 21)

Increasing the education and skills of the current nurse administrators who are serving as directors of nursing in nursing homes and providing additional qualified nurse administrators who will possess the necessary leadership qualities will be a challenge for nursing. One way to facilitate the educational process is to gain some insight and understanding about the current directors of nursing in nursing homes. One facet that may be addressed in developing a profile of these nursing directors is to identify some observable differences in the way they prefer to use their minds in the way they perceive and make judgments about things, people, occurrences, and ideas. The manner in which a person perceives and judges a problem, a decision, or a situation are major characteristics and determinants of a person's behavior. According to Jung's (1923) psychological findings, there is an interplay between an individual's personality type and his or her perception and judgment preferences. Personalities will influence what nurse administrators want and what they do on the job. According to Peter

Drucker (1973):

Work is an extension of the personality. It is achievement. It is one of the ways in which a person defines himself or herself, measures his worth, and his humanity. (p. 185)

Since work is influenced by the personality, it is important to learn more about the personalities of the directors of nursing in nursing homes.

An awareness of the similarities and differences in the personality types identified may help to open communication between nurse educators, hospital nurse administrators, and the directors of nursing in nursing homes. As Roderick (1984) states:

To be proactive in the face of complexity and to succeed, a leader must believe in the coexistence of health care organizations. Skills to develop interdependence between and among acute care and long-term care services will be essential. (p. 21)

Peer contact among these nursing leaders will help to narrow the mystical gap between hospital and nursing home nurses. Through opportunities to work collaboratively, nurse administrators in these facilities will be able to achieve a more meaningful experience for themselves, their nursing staffs, and benefit nursing as a profession.

The significance of this research study is that it will serve as the initial step in the description of the personality types of directors of nursing in nursing homes. The personality profile identified by the research study may be helpful in determining which personality characteristics

are more relevant to the functions of a nurse administrator. Therefore, a major outcome of the study could result in the development of an educational program that would provide nurses in administrative positions and prospective nursing directors an opportunity to recognize their own personality types and the impact this type may have on those in management and clinical nurse positions. Furthermore, the opportunity would exist for them to develop those behavioral skills necessary to balance and enhance their own personalities. These nursing directors will then be more aware of how people individually and collectively perceive events, and the consequences which arise from the decisions they make. The search for a personality profile on the directors of nursing in nursing homes through the findings of this research study is but one way to address the opportunities, challenges, and needs of the nurse administrator who assumes leadership to upgrade the quality of care for the elderly.

Theoretical Framework

Jung's theory of psychological types and Myers' personality theory were utilized in this research study. Both theories are compatible in their approach to explain the infinite varieties of individual personalities that result from the combinations of ways that people choose to perceive and judge the ideas, things, people, or occurrences in their lives. Myers' personality theory was selected because it

implemented Jung's theory of type in a simplistic tool. In this section of the study, the researcher will identify the fundamentals of these theories, explain their relationship to the research problem, and discuss how the theories will be used to resolve the problem. The fundamentals of Jung's theory will be presented first.

Jung's (1923) theory of psychological types is an attempt to find something to work with in tackling the problem of individual differences. These differences are related to the life force of will called libido. Jung's study of the libido focuses on its manifestations as the individual makes his adjustment to life's experiences. The libido is manifested in four different ways for each object of experience that the individual has in life. These four ways are: sensation, thinking, feeling, and intuition. Through sensation, the individual meets the outside world through the five senses. When the individual gives interpretation to that which is perceived, it is called thinking. Next, as the person evaluates or judges the object, one establishes its value in terms of one's psychic orientation and this is called feeling. Finally, the individual has an awareness of relationships about the experience which cannot be known in any other way. This aspect of experience which eludes consciousness is called intuition.

In these four expressions of the libido, two are

termed rational and two are termed nonrational. Thinking and feeling are the rational functions because they involve a deliberate attitude and action on the part of the individual toward the object being experienced. The individual in thinking interprets, and in feeling judges the object. In contrast, sensation and intuition are viewed as nonrational functions. They are nonrational in that the individual does not purposively or rationally seek to experience or understand the object. The relationship with the object through sensation is a passive experience. In the process of intuition, the understanding of the object comes to the individual. In essence, Jung (1923) perceived the libido as such.

Jung (1923) sees a compensatory relation within each set of functions. Progoff (1953) writes:

In the rational set, thinking and feeling act as opposites, and tend to balance each other, while sensation and intuition are in the same relationship in the nonrational set. (p. 101)

These four functions serve as a compass to give direction and orientation in the study of the personality.

All four functions are experienced by every individual to some degree. Although one function is more highly developed in each individual than the others, the other three functions remain (Progoff, 1953, p. 102). The individual uses his dominant function on a conscious level not only to experience the world but as the basis around which he organizes his personality.

A conceptual picture of the individual's personality can be represented through use of the function compass mentioned earlier. With the dominant function in the consciousness, the other member of the pair, i.e., thinking-feeling, sensation-intuition, is in the unconsciousness. It is a way of seeing how the opposites balance one another and maintain their constant interrelationship. The other two functions are in between, overlapping, and influencing the other two functions (Proffoff, 1953, p. 102).

The individual can develop one of the four functions that seems to be either the natural preference or one that will provide his most effective means for social success. The developed function is gifted with strong abilities and it is able to lead the personality. With its distinct differentiation from the other functions, the dominant one becomes evident to the world outside of the individual. The individual identifies with the most favored and most developed function. According to Jung (1923) this identification permits psychological typing.

While the individual is concentrating on differentiating the characteristics of the dominant function, another aspect of the libido is coming into the consciousness level. The libido's progressive movement may be directed either out into the environment toward concrete objects of the objective world, or it may be directed inward, down into the per-

son's inner world. The movement toward the outer world is called extraversion, and the movement toward the inner world is termed introversion. Every individual has both tendencies or attitudes in his nature. There is a tendency for the conscious personality to concentrate on either one of the directions (Progoff, 1953, p. 109). In each personality, there are parts that are extraverted, and parts that are introverted.

Jung (1923) has named the two attitudinal types: extravert and introvert. The four functional types he named: thinking, feeling, sensation, and intuition. As the four functional types exist in each of the two attitudes, a total of eight combinations result, i.e., extravert sensation type and an introvert sensation type. These eight psychological types serve as the guiding principles to help consider an individual's relation to the outer world in terms of his dominant and inferior, and overlapping functions (Progoff, 1953, p. 111).

Myers' personality theory builds on these features of Jung's type theory. According to Myers (1962), her theory is:

That much apparently random variation in human behavior is actually quite orderly and consistent, being due to certain basic differences in the way people prefer to use perception and judgment. 'Perception' is here understood to include the processes of becoming-aware of things or people, or occurrences or ideas. 'Judgment' is understood to include the processes of coming-to-conclusions about what has been perceived. If people

differ systematically in what they perceive and the conclusions they come to, they may as a result show corresponding differences in the reactions, in their interests, values, needs, and motivations, in what they do best, and in what they like best to do. Adopting this working hypothesis, the Indicator [Myers-Briggs Type Indicator] aims to ascertain, from self-report of easily reported reactions, people's basic preferences in regard to perception and judgment, so that effects of the preferences and their combinations may be established by research and put to practical use.... (p. 1)

Thus behavior is directly affected by the processes of perception and judgment, and it is entirely reasonable that basic differences in perception or judgment should result in corresponding differences in behavior. (p. 51)

Utilizing Jung's typology, Myers (1962) believes that an individual's personality or type is created, "...by the exercise of their preferences with regard to the use of perception and judgment" (p. 63). The underlying assumption in Myers' (1962) theory is that every person has a natural preference for one of the opposites in each pair of indices contained in four basic preferences: extraversion or introversion, sensing or intuition, thinking or feeling, judgment or perception.

Myers' extra scale of judgment-perception was designed to measure an individual's preferred way of dealing with the outer world. These dimensions of the personality were never explicitly defined by Jung as independent functions, although the distinction between perceptive types and judging types is implied in Jungian theory (Carlyn, 1977, p. 461). Myers explains that people alternate use between

these two attitudes since both cannot be used at the same time. However, people prefer one attitude best and spend as much time in it as possible. People's choices are based upon the fundamental differences between the two attitudes. Myers (1962) explains the difference:

In the judging attitude, in order to come to a conclusion, perception must be shut off for the time being. The evidence is all in. Anything more is incompetent, irrelevant, and immaterial. One now arrives at a verdict and gets things settled. Conversely, in the perceptive attitude one shuts off judgment for the time being. The evidence is not all in. There is much more to it than this. New developments will occur. It is much too soon to do anything irrevocable. (p. 58)

Myers sees the preference between perception or judgment as a person's tendency to prefer one force that dominates and unifies one's life. Jung and Myers agree that the dominant process acts like a governing process to balance the other preferences in the personality as they are developed and utilized.

Under Myers' theory, people create their own personality type by making a choice with regard to the pairs of opposites in each of the four preferences. Myers (1962) emphasizes in her theory that:

People who exercise the same preferences have in common whatever qualities result from the exercise of those preferences. The interests, values, needs, habits of mind and surface traits which naturally result tend to produce a recognizable kind of person. One can therefore partly describe an individual by stating his four preferences (p. 63)

One can conclude from Myers' theory and Jung's theory

of typology that personality is structured by an individual's choice between the combinations of psychological attitudes and functions that are associated with the ways of perceiving and judging experiences in the environment.

It is this conclusion that relates both Myers' and Jung's theories to the problem of identifying the perception and judgment preferences or personality types of the directors of nursing in nursing homes. Assuming that every person has a natural preference for perceiving and judging, and that together these two processes, "... make up a large portion of people's mental activity, govern much of their outer behavior ..." (Myers, 1980, p. 1), then it is possible to measure these aspects of behavior in the directors of nursing.

Both of these theories will be utilized to resolve the research problem because Jung's theory of psychological types is the basis for the research instrument that Myers developed. The Myers-Briggs Type Indicator (MBTI) implements Jung's theory of type by permitting people to identify their preferred methods of perceiving and judging. Through administration of the MBTI to the directors of nursing in nursing homes, it will be possible to identify their perception and judgment behavior as a personality type.

Statement of Purpose

The purpose of this research study was to identify

the personality types of the directors of nursing in nursing homes located in the State of Texas; and to determine if there was a difference in personality types among these directors of nursing.

Statement of Research Questions

Three research questions were formulated for this research study. The research questions were:

1. What are the personality types of directors of nursing in nursing homes located in the State of Texas as measured by the Myers-Briggs Type Indicator?
2. Is there a predominant personality type for the directors of nursing in nursing homes located in the State of Texas?
3. Is there a significant difference in the personality types found among the directors of nursing in nursing homes located in the State of Texas?

Assumptions

An assumption was made for this study that each nursing home identified in the Directory of Texas Long Term Care Facilities had a director of nursing (Hogstel, 1983, p. 29).

Limitations

The limitations of this research study were:

1. The number of directors of nursing in nursing homes

located in the State of Texas to be randomly sampled was limited by budgetary constraints.

2. The results of this study apply only to the directors of nursing in nursing homes located in the State of Texas and cannot be generalized to any other group of individuals.

Definition of Terms

To clarify the terminology utilized in this study, the following terms are defined:

1. Director of nursing - A registered professional nurse or a licensed vocational nurse who is employed full time at 40 hours a week in a skilled nursing facility. The director of nursing reports to the agency administrator and is responsible for employing and supervising nursing personnel; planning, implementing and evaluating nursing; and operating the nursing department within the philosophy and objectives of the institution (Hogstel, 1983, p. 29).
2. Long-term care - Refers to a broad range of medical, social, and supportive services for persons who have lost some capacity for self-care, and who are expected to need care for an extended period of time. These services range from in-home, community, to institutional skilled nursing facilities

(Governor's Long-Term Care Planning Group, 1982, p. 2).

3. Nursing home - A medical residential setting designed to provide long term services to persons in need of specialized nursing services on a 24-hour basis (Governor's Long-Term Care Planning Group, 1982, p. 58).
4. Personal preference types - (Rovezzi-Carroll & Leavitt, 1984, p. 1550; Rezler & Buckley, 1977, p. 476):
 - a. Extrovert - A person who attends to the outer world of people and objects.
 - b. Introvert - A person who prefers to focus on the inner world of ideas and reflects before engaging in action.
 - c. Sensing - A person who is realistic, observes by way of the senses, and works well with facts.
 - d. Intuition - A person who is imaginative, idea-oriented, and good at problem-solving.
 - e. Thinking - A person who is analytical and values impersonal, objective logic.
 - f. Feeling - A person who weighs personal values, sympathizes, and believes that human dislikes and likes are important.

- g. Judging - A person who lives in a planned, orderly way, aiming to regulate life and control it.
 - h. Perceiving - A person who lives in a flexible, spontaneous way, and aims to understand life and adapt to it.
5. Skilled nursing facility - A nursing home which provides 24-hour care for persons demonstrating medical necessity of such complexity that the services and supervision of professional nursing personnel are required on a daily basis (Governor's Long-Term Care Planning Group, 1982, p. 58).

Summary

Little is known about the directors of nursing in nursing homes who are facing a dynamic change in their administrative roles. Demands are being placed on these nurse administrators to be innovative, and progressive in their patterns of management and patient care delivery so nursing homes can meet the demands for modification in a turbulent health care environment. The stigma surrounding these nurse administrators is dissolving as the health care turbulence puts a new perspective on their leadership roles and the necessity for nursing leaders in hospitals and nursing homes to be interdependent in solving mutual problems. To facilitate the communications exchange among nursing administra-

tors, some insight about the directors of nursing in nursing homes may come through developing a profile about the way they prefer to use their minds in the way they perceive and make judgments about people, things, and ideas. According to Jung's theory of psychological types, there is an interplay between an individual's personality type and his or her perception and judgment preferences. Using Jung's theory, Myers evolved her own personality theory and developed the Myers-Briggs Type Indicator. This research instrument offers a way to measure these personal characteristics of perception and judgment in the directors of nursing. The purpose of this research study was to utilize the Myers-Briggs Type Indicator in an effort to identify the personality types of directors of nursing in nursing homes, and to begin a profile on certain recognizable personal characteristics.

CHAPTER II

REVIEW OF LITERATURE

Introduction

The purpose of the review of literature was to determine what had been written that described the personality types of the directors of nursing in nursing homes as depicted in the psychological and personality theories of Jung and Myers. As the current literature does not exist that would describe these personal characteristics, the researcher found it necessary to extend the literature search beyond the normal five year span to twenty-five years to locate reference articles. Nothing specific could be located. From the articles that were found that dealt with personality profiles, the researcher attempted to evolve a psychological description of the registered nurse who may be employed in either the nursing home or hospital setting. The literature review is divided into seven areas: (1) senior nursing students, (2) graduate nursing students, (3) nurse practitioners, (4) medical-surgical and psychiatric nurses, (5) nurses in general, (6) allied health professionals, and (7) business managers. Each area will be presented in the

above order, beginning with the senior nursing students.

Senior Nursing Students

The personality profile of nursing students was studied to see what personality description senior students from a nursing program might present. The developing thought was that these senior nursing students may resemble those directors of nursing who may be recent graduates themselves. In the attempt to describe the personalities of student nurses, it was found that few researchers have concentrated on senior students. In one of the studies dealing specifically with senior nursing students, Reece (1961) described them as having strong needs for deference, abasement, nurturance, and endurance. These students were less motivated for achievement, autonomy, dominance, and succorance (p. 173).

These personality characteristics are from the Edwards Personal Preference Schedule (EPPS) which was used in many studies that will be presented in this literature review and is detailed here to familiarize the reader with its content. Leavitt, Lubin, and Zuckerman (1962) describes the EPPS on page 80 of their article as follows:

1. **Achievement:** to accomplish something difficult; to be a success; to be one's best.
2. **Deference:** to respect superiors; to respect authority; to accept leadership; to conform to custom.
3. **Order:** to like order; to aim for perfection in detail; to have things planned and organized.
4. **Exhibition:** to be the center of attention; to make an impression; to have an audience.

5. **Autonomy:** to be free to do what you want; defy convention; to be critical of authority.
6. **Affiliation:** to please and win affection; to be loyal to friends; to form strong attachments.
7. **Introception:** to be introspective; to be interested in motives and feelings; to analyze the behavior of others.
8. **Succorance:** to desire sympathy; to want encouragement; to have others interested in your problems.
9. **Dominance:** to dominate others; to be a leader; to influence others to make a decision.
10. **Abasement:** to feel inferior; to feel guilty; to feel timid; to withdraw from unpleasant situations.
11. **Nurturance:** to sympathize with others; to be generous with others; to encourage others.
12. **Change:** to try new and different things; to like to travel; to experience novelty; and change.
13. **Endurance:** to persist; to keep at a task until it is finished; to put in long hours of uninterrupted work.
14. **Heterosexuality:** to enjoy heterosexual activities. to be interested in the opposite sex.
15. **Aggression:** to criticize others publicly; to tell others what one thinks of them; to attack contrary points of view; to make fun of others; to become angry.

Similar findings to Reece's high and low preferences were evident in Redden and Scales (1961) study using the same research instrument as Reece, the Edwards Personal Preference Schedule. In comparison to the norm of college women in general, these senior nursing students were significantly higher in deference, introception, nurturance, endurance, and aggression. They had lower than norm scores for order, autonomy, affiliation, dominance, change, exhibitionism, and heterosexuality.

Stauffacher and Navran (1968) initiated a longitudinal study of senior nursing students to see what personality characteristics were evident then and five years later. Us-

ing the EPPS, their findings were again similar to the high and low needs evident in the two previously mentioned studies.

Using the Omnibus Personality Inventory, Meleis and Dagneis' (1981) study results showed their sample of graduating nursing students as having a higher need for autonomy, rebelliousness, aggression, and gratification of their needs. Also, these individuals were characterized as possessing strong tendencies toward a non-religious orientation, personal integration, and a practical outlook on life. In addition, these graduating nursing students were depicted as having active, creative imaginations, enjoying reflective thinking, but experiencing high anxiety levels.

These changes in the personality profile of the graduating nursing students may be explained by Yankelovich (1981) as individuals searching for self-fulfillment.

Yankelovich (1981) explains:

What is extraordinary about the search for self-fulfillment in contemporary America is that it is not confined to a few bold spirits or a privileged class ... search for self-fulfillment is ... involving ... perhaps as many as 80 percent of all adult Americans. In the 1960s the search for self-fulfillment was largely confined to young Americans on the nation's campuses and was masked by the political protests against the war in Southeast Asia. When the war ended in the early seventies, the campuses quieted, and the challenge to traditional mores spread beyond college life to find a variety of expressions in the larger society—in the women's movement; in the consumer, environmental and quality-of-life movements ('small is beautiful'); in the emphasis on self-help, localism, and participation; in the hospice movement; in the flood of books on

cultivating the self; in the questioning of the scientific-technological world view; in greater acceptance of sexuality ...; in a new preoccupation with the body and physical fitness; in a revival of interest in nature and the natural; and above all, in a search for the 'full, rich life,' ripe with leisure, new experience, and enjoyment as a substitute for the orderly, work-centered ways of earlier decades. (p. 1)

Over the past several decades, the rules of social behavior have expanded, moving us from a society with relatively homogeneous definitions of family, sex roles, and working life toward greater tolerance, openness, choice, and a wider range of acceptable behavior. There is a clear pattern of change in our society's rules of living according to Yankelovich.

Graduate Nursing Students

Without having information on the demographics concerning the graduate preparation of directors of nursing in nursing homes, the researcher attempted to describe in this section those personality characteristics that could be used to depict them if they have completed a graduate nursing program.

Graduate students majoring in four clinical nursing areas were studied by Miller (1965). Results from the Strong Vocational Interest Blank for Women and the California Psychological Inventory demonstrated significant differences in personality characteristics among these four areas. Miller describes psychiatric nursing majors as: rebellious,

nonconforming, manipulative, distrustful, overreactive to minor frustrations, sensitive to criticism,, self-dramatizing, creative, and verbally fluent. Medical-surgical nursing majors distinguished themselves as: conformists, submissive, tactful, reliable, rationally objective, sincere, dependable, judgmental of social values and attributes of others, impersonal and aloof. Public health graduate students were seen as: orderly, dependable, productive, conventional, sociable, less introspective, and self-concerned. The maternal-child group were depicted as: warm, compassionate, relaxed, aesthetically sensitive, liked and accepted by others, socially perceptive, introspective, ready to feel guilty, more feminine, and conventional. Support for Miller's study came from a study by Lukens.

Lukens (1965) found that the personality patterns of graduate nursing students in medical-surgical nursing and psychiatric nursing programs were similar to those described in Miller's findings. According to Lukens, medical-surgical nursing students were authoritarian, orderly, religious, humanitarian, and more achievement oriented. In contrast to them, graduate psychiatric nursing students were found to be more tolerant of socially undesirable and value-violated feelings and motivations.

Chater (1967) researched the personality characteristics of graduate nursing students in the same four nursing

clinical specialties as did Miller (1965) but measured them using the Omnibus Personality Inventory. Chater's findings are like Miller's. Some additional descriptors are provided for each group. Graduate students in psychiatric nursing were described as: socially oriented, creative in adaptive responses, and prominent intellectually. Action-oriented, and practical-minded were added to depict the graduate medical-surgical majors. The public health group was seen as: independent and autonomous, tolerant of ambiguity, reflective thinkers, but not socially oriented. This last descriptor for the public health nurses contradicted that found in the Miller study which was that they were socially oriented. With the final group of maternal-child graduate nursing students, Chater identified them as preferring simplicity versus complexity, unoriginal, dependent, authoritarian, rigid, and emotionally suppressed. Although different research tools were used, one may suggest that both Chater's and Miller's studies indicate that there are differences in the personality profiles of graduate students as they perceive and judge their environments.

Different personality patterns emerged in Miller's (1966), and Graham's (1967) studies for those nursing students preparing as teachers and administrators. Both researchers agreed that students who chose administration placed more value on monetary gains, property, and objects

which have utility than did those students who chose teaching. Whereas, graduate students selecting teaching placed more value than those choosing supervision on striving for success through personal effort, influencing others, having time for introspective contemplation and intellectual growth and accomplishment, and are willing to subject themselves for long periods to other's requirements in order to achieve educational goals (Miller, 1966, p. 170; Graham, 1967, p. 184). Graham went a little further in describing those students within the medical-surgical specialty that had selected teaching. These teachers' personal characteristics included being more tender-hearted, kind, cultured, protected, emotionally sensitive and idealistic. Also, they were more more concerned with relationships between their inner lives, and social happenings with their emotions.

Hansen and Chater's (1983) study of female registered nurses in a master's degree program indicated that, "... women in nursing seek roles within the profession that permit the expression of their personalities" (p. 48). From their study, those nurses who exhibited managerial interests were more practical minded, sociable, conforming, dominant, expressive, and had more occupational interests than those who did not demonstrate such interest. The nurse practitioner's personal characteristics are considered next.

Nurse Practitioners

Articles on nurse practitioners were reviewed to assemble a psychological profile on them that may fit this type of nurse who has become a director of nursing in a nursing home.

White (1975) compared the psychological characteristics of nurse practitioners in general with second year nursing students using the Edwards Personal Preference Schedule. Nursing practitioners had higher scores for autonomy, exhibition, dominance, change, and heterosexuality with lower scores on nurturance, deference, order, abasement, and endurance. In contrast, the baccalaureate nursing program students' scores were reversed on these same personality characteristics.

Burns, Lapine, and Andrews (1978), looked at the personality profile of nursing students participating in a graduate pediatric nurse practitioner program. After program completion, these nurses were administered the Edwards Personal Preference Schedule as they had been upon entry into the program. Their scores matched White's (1975), and they had some additional high need preferences for aggression, introception, and achievement. The exception was that dominance was shown as a low need preference.

Bruhn, Floyd, and Bunce (1978) administered the Myers-Briggs Type Indicator on three different occasions to

students in a pediatric nurse practitioner program. When they tested the nurse practitioners one year after graduation, "... the nurses' profile on all psychological measurements tended to resemble those obtained on entry to the program" (Bruhn et al, 1978, p. 703). The nurses' profile was distributed as more extravert-sensing, followed by introvert-intuitives, next introvert-sensing, and finally extravert-intuitives.

Medical-Surgical and Psychiatric Nurses

The fourth area of the literature review concerning the medical-surgical and psychiatric nurse studies will be covered in this section. They are included as an opportunity to get a broader psychological description of nurses.

Cohen, Trehub, and Morrison (1965) employed the Edwards Personal Preference Schedule to measure the personality profiles of psychiatric nurses. Cohen et al's findings are in sharp contrast to those of Lukens' (1965), and Miller's (1965). Cohen et al characterized the psychiatric nurses' needs as high for order, endurance, deference, and introception. Their needs were lower for achievement, dominance, autonomy, succorance, exhibition, aggression, and affiliation. A different view of the psychiatric nurse comes from another study by Townes and Wagner.

In their two separate studies on child psychiatric nurses and adult psychiatric nurses, Townes and Wagner

(1966a, 1966b) used Cattell's 16 Personality Factor Questionnaire. Both groups of nurses can be described as: "... more intelligent, dominant, assertive, and liberal in their thinking and less concerned with adherence to formal authoritarian codes of behavior than the general population" (Townes & Wagner, 1966a, p. 71; 1966b, p. 356). Their findings are similar to what Miller (1965) and Lukens (1965) found for the graduate nursing students in these same related fields.

Lentz and Michaels (1965) studied nurses working on separate medical and surgical floors to examine personality factors among them. They found both groups had significantly higher scores than the Edwards Personal Preference Schedule (EPPS) norm group of college women for order, endurance, and deference while the need for dominance was scored lower. In a comparison, Lentz and Michaels found that on ten of the 15 variables on the EPPS, medical nurses' scores fell between those of the surgical and psychiatric nurses. The comparison psychiatric nurses were brought in by the researcher's from a different study conducted by Navran and Stauffacher. High scores for the medical nurses were on order, succorance, and affiliation. Scores were lowest for the three nursing groups on dominance, and nurturance. For the rest of the variables, the medical nurses were next in high scores. The psychiatric nurses scored high on intro-

ception, dominance, heterosexuality, achievement, and autonomy. The surgical nurses were high for change, abasement, nurturance, endurance, deference, aggression, and exhibition. More information comes from another study.

Using Cattell's 16 Personality Factor Questionnaire, Gluck and Charter (1980) tested medical and surgical staff nurses. Gluck and Charter's measurements found that all these nurses scored toward being reserved, detached, critically aloof, stiff, and self-assured. Within these groups, nurses with less than five years of nursing experience were described as more assertive, frank, expressive, unconventional, and needed recognition. In contrast, nurses with more than 21 years of nursing experience were characterized as being more submissive, dependent, conforming, restrained and cautious, rulebound, and conscientious. Also, they were more emotionally disciplined, and controlled in will power and social preciseness. The differences in these longer working nurses may be accounted for by Yankelovich's (1981) explanation:

Average fulfillment seekers are not concerned with abstract historic issues; the arena within which they struggle is their everyday life. Their life experiments engage what we might call the 'giving/getting compact'--the unwritten rules governing what we give in marriage, work, and community, and sacrifice for others, and what we expect in return The old giving/getting compact might be paraphrased this way: 'I give hard work, loyalty and steadfastness. I swallow my frustrations and suppress my impulse to do what I would enjoy, and do what is expected of me instead. I do not put myself first; I put the needs of others

ahead of my own. I give a lot, but what I get in return is worth it' These people, especially if they are over thirty five years of age, have mostly settled into stable commitments to family, work, friends, community, and leisure The majority retain old traditional values, including a moderate commitment to the old self-denial rules, even as they struggle to achieve some measure of greater freedom, choice, and flexibility in their lives. (pp. 6, 7, 88)

The less experienced nurses seem to fit the category of the psychiatric nurse while the more experienced nurses parallel that of the medical-surgical nurse in the studies of Miller (1965), Lukens (1965), and Lentz and Michaels (1965). The descriptions of the less experienced nurses and psychiatric nurses would be fitting those people who make up the post-war baby boom. Yankelovich (1981) describes the baby boomers in this manner:

Clearly, nothing can be further from the values of self-fulfillment seekers than the class-conscious, hierarchical, authoritarian, adversarial attitudes that characterize the managerial outlook in many American industries. Balking at these attitudes, workers engaged in the search for self-fulfillment retaliate by holding back their commitment, if not their labor. They resent sharp social class distinctions between employee and employer. They do not automatically accept the authority of the boss. They want to participate in decisions that affect their work. They prefer variety to routine and informality to formalism. They want their work to be interesting as well as pay well and to give them an outlet for creativity. They seek responsibility and they like to set their own goals. They enjoy working in small groups in a relationship of collegiality rather than in a rigid hierarchy. They desire constant feedback: a running commentary on how they are doing on the job. (p. 41).

From these earlier studies on the psychiatric nurses, one can surmise that the psychiatric nurses were the vanguard of

nurses seeking self-fulfillment. The personality characteristics of nurses in general will be reviewed next.

Nurses in General

The review of literature on the personality types of nurses in general was pursued as a possible likeness for the personality characteristics of the directors of nursing in nursing homes.

In the literature search, a couple of studies on men in nursing were reviewed as there may be a director of nursing who is a male. Mannino (1963) studied the professional man nurse and Garvin (1976) examined the male nursing student. Similar results were obtained from both studies which showed men in nursing as kind, sympathetic, highly esthetic and theoretical, orderly and systematic in their knowledge. Man's interests are empirical, critical, and rational so that he judges things primarily by their tangible utility. In his religious orientation, he seeks to comprehend his relationship to the cosmos as a whole.

Both masculine and feminine characteristics were displayed in the nurses studied by researchers Simpson and Green (1975), and Minnigerode, Kayser-Jones, and Garcia (1978). This psychological androgynous nurse's feminine characteristics were warmth, understanding, gentleness, helpfulness, and kindness. Included were the masculine traits of independence, competitiveness, self-confidence,

and decision-making. From these studies, some nurses would display a blend of supportive personal concern, and technical competence.

George and Stephens (1968) compared the personality traits of public health nurses and psychiatric nurses. Results from the Edwards Personal Preference Schedule indicated that the public health nurses had higher needs for autonomy, and abasement while the psychiatric nurses had higher needs for deference and aggression. Other than these four variables, the public health nurses showed a similar personality profile to that of the psychiatric nurses on the remaining eleven variables. These personality traits are similar to Miller's (1965), and Chater's (1967) descriptions of the psychiatric and public health nurses. However, George and Stephens' (1968) study of these two nursing groups showed the psychiatric nurses as having a higher need for deference than the public health nurses.

Caputo and Hanf (1965) hypothesized that there is a set of personality needs shared in common by those nurses already functioning in nursing and by those individuals seeking to enter nursing. From the Edwards Personal Preference Schedule (EPPS), results indicated that although registered nurses are similar to one another, there does not appear to be a specific and exclusive pattern of personality needs characterizing registered nurses in diverse settings.

The personality pattern relationships from the EPPS among the nurses, college women, and adult women were high. The registered nurses had this pattern of personality needs, from high to low: introception, nurturance, change, affiliation, abasement, heterosexuality, endurance, dominance, exhibition, deference, achievement, succorance, order, aggression, and autonomy. In comparison to the public health nurse in George and Stephens' (1968) study, the registered nurse is almost completely opposite in personality traits. The rank order from high to low of personality traits for the public health nurse in George and Stephens' study are: order, introception, deference, endurance, achievement, change, aggression, autonomy, heterosexuality, abasement, dominance, affiliation, nurturance, exhibition, and succorance.

In Gortner's (1968) study of registered nurses entering a baccalaureate nursing program, these nurses were found to have similar personality characteristics to those of senior nursing students in the same program. According to the results on the Omnibus Personality Inventory tool, both groups' personality profile revealed a heightened interest in ideas and reflective thought, caution, nonimpulsivity, realism, and adherence to religious and socially acceptable norms of behavior. Being authoritarian and having more masculine interests than other college women described the pair

too. Also, they were average in appreciation of aesthetic and problematic matters, and less tolerant of novel ideas and ambiguity. The registered nurses were more reflective and logical thinkers than were the senior students.

Findings from MacDonald's (1975) study on matching personalities with position indicates achievement as the motivational need most characteristic of the sampled head nurses' personalities.

On the only study found describing the personality traits of registered nurses, licensed vocational nurses, and nurse aides in nursing homes, Burge (1977) found all three types of nurses as scoring above average on ascendancy, responsibility, emotional stability, and sociability.

In England, one purpose of Lewis and Cooper's (1976) review of personality measurement among nurses was to determine if there are, "... personality traits one could identify for successful and long-serving nurses" (p. 212). These authors concluded that it is difficult to draw any firm generalizations about a nursing personality profile. They did not give up trying to find that profile because later in 1976, new findings were reported.

Cooper, Lewis, and Moores (1976) researched the personality profiles of long-serving senior nurse officers in administrative positions. Using results from the 16 Personality Factor Questionnaire, these authors concluded that

the male and female nurses in the sample had significant differences on eight scales in comparison to the general male and female population. As a group, these senior nurses were more outgoing, emotionally stable, conscientious, experimenting, self-sufficient, controlled, and relaxed. The male nurses were significantly more outgoing, intelligent, and emotionally stable than the female nurses. Yet, the female nurses were more tender-hearted, and sensitive. The topic of personalities was further researched by Lewis.

Lewis' (1980) study in England was concerned with, "establishing personality based criteria of suitability for nursing" (p. 221) to help in the recruitment and selection of trainee nurses. Personality measurement among qualified and active nurses was obtained using the 16 Personality Factor Questionnaire. In the comparison to the norm population of women, Lewis' findings described nurse tutors and teachers, and newly registered nurses as more intelligent. Experienced nurses were more conscientious, persevering, and responsible. Sisters and newly registered nurses were more tough-minded. Newly qualified nurses were more conventional and practical, less self-disciplined, inconsiderate, not careful, yet most anxious to do the right things. Also, they were more easily affected by feelings, and had less tolerance for unsatisfactory conditions. In contrast to the new nurses, senior nurses showed more control of their

emotions, and were more outgoing, creative, imaginative, experimental, and tolerant of change. All of the nursing groups sampled were described as self-sufficient, decision-makers, and acted on their own initiative. Lewis' findings on male nurses confirmed those in Cooper, and Lewis's (1976) study.

Koehne-Kaplan and Tilden (1976) were interested in the interplay between personality types and clinical judgment in nursing practice. The registered nurses measured in the sample by the Jungian Type Survey were primarily extraverts. These registered nurses were enrolled in a baccalaureate nursing program and a very large number of them were identified as having a personality type of extravert-sensing-feeling.

Allied Health Professionals

Studies involving allied health professionals were reviewed to add a comparative base for the findings that would come from using the Myers-Briggs Type Indicator to identify the personality types of the directors of nursing.

Rezler and Buckely (1977) identified and compared the personality traits of six groups of female student health professionals using the Myers-Briggs Type Indicator. Only two significant differences were found, and these indicated that of all the groups, female medical students preferred thinking to feeling, and pharmacy students were more judging

than perceiving. Another allied health professional study using the Myers-Briggs Type Indicator was reviewed.

Radonsky (1980) described the personality characteristics of published occupational therapists as extravert-intuitive-thinking-judging. In the same study, nonpublished occupational therapists had introvert-sensing-feeling-judging personality types.

Rovezzi-Carroll and Leavitt (1984) examined the personality characteristics of physical therapy students using the Myers-Briggs Type Indicator. Students who desired careers as generalist clinicians were described as sensing and judging. The students choosing careers as specialist clinicians scored higher on the intuitive and perceiving scales. Both the generalist and specialist clinician groups were homogeneous in their preferences for extraversion and feeling.

In a related study of allied health professional but one in which the Myers-Briggs Type Indicator was not used, Buhmeyer and Johnson (1977) compared the personality profiles of nurses and physician extenders. Nurses were significantly more interested in activities, and wanted more control than the physician extenders.

Business Managers

The final grouping in the literature review was the business managers. The purpose in reviewing the business

literature was to see what personality descriptions were being ascribed to nurses as management personnel. Nurse administrators in any setting were not described. The researcher found descriptions of business managers that may apply to the study's problem. Literature from this area was reviewed and included in the hope of providing a comparative description.

Stoghill (1948) surveyed the literature on personal factors associated with leadership and classified these factors under the general headings of:

1. Capacity - is intelligence, alertness, verbal facility, originality, and judgment.
2. Achievement - is scholarship, knowledge, athletic accomplishments.
3. Responsibility - is dependability, initiative, self-confidence, persistence, aggressiveness, and desire to excel.
4. Participation - consists of activity, sociability, cooperation, adaptability, and humor.
5. Status - is socio-economic position and popularity.
6. Situation - consists of mental level, status, skills, needs, and interests of followers. (p. 64)

Along the same lines, Miner (1973) described six major characteristics of management behavior: (1) favorable attitude toward authority, (2) desire to compete, (3) assertive motivation, (4) desire to exercise power, (5) desire for a distinctive position, and (6) a sense of responsibility (p. 149).

In Schein's (1975) study, successful female middle managers were found to possess those characteristics, and attitudes more commonly applied to men in general. Female

managers who were more similar to men displayed characteristics of leadership ability, competitiveness, self-confidence, objectivity, and aggressiveness. Also, they had attributes of being forceful, ambitious, and responsible. Those female managers more similar to women were depicted as modest, creative, cheerful, and intuitive. Also, these individuals were helpful, more aware of other's feelings, and displayed humanitarian values. Schein found that the perceptions of competence, intelligence, persistence, tact, and creativity were not related to sex.

Data from Kerin and Slocum's (1981) study of graduate students in business administration indicated that intuitive thinking types and feeling types differ in their information preferences. The authors noted this principal difference from using the Myers-Briggs Type Indicator in the study. Kerin and Slocum concluded that thinking types prefer more objective, quantitative data than do feeling types.

Important yet different personality characteristics of effective managers were evident in the remaining business readings. Sargent (1981) defined three competencies of an effective manager that are applicable to nurse administrators as they are business managers:

1. Analytical competence: the ability to identify, analyze and solve problems even without complete information.
2. Interpersonal competence: the ability to influence, supervise, lead, manipulate, and control people.

3. Emotional competence: the capacity to be stimulated rather than exhausted by emotional and interpersonal crises; to bear high levels of responsibility without becoming paralyzed, and to exercise power without guilt or shame. (p. 49)

Within these three competencies can be fit the important personality characteristics that Newman, Warren, and Schnee (1982), Cantor (1982), Huse (1982), and Skinner and Sasser (1983) determined would be present in successful managers. McMurray (1976) named many of these personality prerequisites that these authors did but added that the successful manager had to, "subscribe to the Protestant ethic of hard work, perseverance, frugality, craftsmanship, pride, obedience to authority, and loyalty to the employer" (p. 365).

In the final reading, Flipppo and Munsinger (1982) referenced the results of the Sears, Roebuck Company longitudinal study indicating significant personal characteristics associated with successful managerial performance. Among these characteristics were a marked preference for, "orderly thought, overt and even aggressive self-confidence, a leaning toward number-related tasks, personal values of a practical and economic nature, and high general activity" (p. 297).

Summary

In summary, the review of literature presented in this study provided a comprehensive overview of the studies and readings that have attempted to describe the personality

profiles of nurses, allied health professionals, and business managers. The personality profile of the senior nursing students would characterize them as conformists who respect authority, dislike unpleasant situations, show concern for other people, persist at any task, and who enjoy creative and reflective thinking. According to the studies on graduate nursing students, psychiatric nurses were creative, verbally fluent nonconformists who were more tolerant of other's behavior. Medical-surgical nurses were described as authoritarian, orderly, dependable, action-oriented, and achievement oriented. Public health nurses were more outgoing and independent. Maternal-child nurses as sociable, authoritarian, conventional, sensitive to others, and preferring simplicity over complexity. The main aspects of a personality profile for the nurse practitioners would include being outgoing and independent, perceiving through the senses, and enjoying change. Personalities of nurses with different lengths of nursing experience are almost opposite each other. Nurses with less working experience are described as assertive, frank, and unconventional while nurses with more tenure are submissive, restrained, and conventional. Descriptive terms gleaned from the readings on nurses in general would characterize their personalities as: authoritarian, orderly, systematic, empirical, critical yet sensitive to others, rational, adhere to socially acceptable

norms of behavior, and less tolerant of novel ideas and ambiguity. Another way to describe these nurses would be as extravert-sensing-feeling types. Some of these preferences evident in nurses were similar to those found in the studies examining the personality types of allied health professionals. The descriptions of the personality characteristics of business managers are those that can be associated with the terms used to describe nurses. It becomes evident from the literature review that nurses do share some personality traits. However, it is difficult to determine which traits will be the ones that are descriptive of the nursing directors as there is no corroborating evidence in the literature. Also, the results of these studies covered in the literature review make it certain that there is not a specific and exclusive personality profile that can be utilized to characterize all nurses, as well as the directors of nursing in nursing homes. Therefore, there is a need to collect and publish information about the personality profile of these nursing directors that will correct the literary deficiency. Thus, the purpose of this research study is to identify and describe the personality types of the directors of nursing in nursing homes.

CHAPTER III

METHODOLOGY

Introduction

The purpose of the research study was to answer questions that focused on identifying the personality types of directors of nursing in nursing homes located in the State of Texas and determining whether or not there was a predominate personality type among the nursing directors. Also, the study concerned itself with answering the question that asked if there was a significant difference in the personality types among the directors of nursing. The methods and procedures utilized in achieving the answers to these questions will be described in this section. The content of this section will include research design, population and sampling, ethical considerations, instrumentation, data collection and analysis. The research design will be presented first.

Research Design

The research design employed in the study was a descriptive survey (Isaac & Michaels, 1981, p. 46). This descriptive research survey sought to collect data on the per-

sonality types of directors of nursing in nursing homes located in the State of Texas. By accumulating this data base on personality types, some insight can be provided about the personal characteristics of these very specific nurse administrators.

Population and Sampling

The population of interest in this study was the directors of nursing in nursing homes that are skilled nursing facilities located in the State of Texas. The random sample that was selected from this general population was obtained from the listing of nursing homes in the Directory of Texas Long Term Care Facilities supplied by the Texas Department of Health Quality Standards Division. From the 930 possible participants identified and numbered consecutively in the directory, a table of random numbers was used to draw a sample of 120 nursing homes (Rand Corporation, 1955; Polit & Hungler, 1983, p. 419). According to Polit and Hungler (1983):

It should be clear that the sample selected randomly in this fashion is not subject to the biases of the researcher....Random selection does...guarantee that differences in the attributes of the sample and the population are purely a function of chance. (p. 420)

A survey packet was mailed to the director of nursing in each of these randomly selected nursing homes. Budgetary constraints limited the number of subjects that could be included in the study's sample.

Ethical Considerations

The ethical considerations in this research study provided anonymity and confidentiality to all participating subjects. In each of the cover letters sent to the 120 directors of nursing, the subjects were provided information about the study and invited to participate. Also, in the cover letters, the directors of nursing were advised to read the statement of informed consent before completing the two research instruments. In the statement of informed consent, the subjects were given more detail about the study's purpose and how it would be achieved through their participation. In the same consent form, subjects were informed about the researcher's use of an identification number on the questionnaires to assure their anonymity and confidentiality. This number was discarded by the researcher when the research materials had been returned. The consent of the participating directors of nursing was to be inferred from their completion of the Myers-Briggs Type Indicator and the Personal Demographics forms. Copies of the cover letter, and the statement of informed consent are included in the appendices.

Instruments

The instrument utilized to collect data about the personality types of the directors of nursing in nursing homes was the Myers-Briggs Type Indicator. A personal demo-

graphics sheet was also provided to the participants. The Myers-Briggs Type Indicator is a measure of personality dispositions and interests as based on Jung's theory of psychological types. The Myers-Briggs Type Indicator (MBTI) Form F, which has been designed specifically for research purposes, with an answer sheet was mailed to each of the subjects in the sample. The MBTI was self-administered by the participants using the instructions given on the cover page of the test booklet, and answer sheet. Subjects were advised that the typical administration time for the MBTI and the Personal Demographics Sheet would be 25 minutes.

Form F of the Myers-Briggs Type Indicator consists of 166 questions covering the four bi-polar scales of: (1) extraversion-introversion, (2) sensing-intuition, (3) thinking-feeling, and (4) judgment-perception. According to Myers (1962), the main purpose of the Myers-Briggs Type Indicator is to ascertain a person's basic preferences in regard to the major processes of perception and judgment. These processes are part of a personality type and can be identified by a person's habitual choice for one of the opposites in each of the four paired preferences mentioned in the beginning of this paragraph. To avoid bias from either acquiescence or social desirability, the Myers-Briggs Type Indicator employs force-choiced items (Myers, 1962, p. 84).

Scoring the Myers-Briggs Type Indicator requires the

use of a separate handscoring key for each of the four preferences, i.e., EI, SN, TF, and JP. Scoring the MBTI produces a numerical score for each of the two choices in the four bi-polar preferences. The choice with the most points shows how strongly an individual prefers one of the opposites in each pair. A letter associated with the preferred choice is taken and assembled with the letters from the other preferences. Combining these four letters in the order of extraversion-introversion, sensing-intuition, thinking, and judgment-perception make up the personality type formula. A personality type, like ISFJ from introversion, sensing, feeling, and judging, can be matched to published descriptions of the personal characteristics associated with the four preferences in the formula. Useful insights about the person can be readily obtained from these associated trait descriptions for each combination of these preferences. There are sixteen possible personality types. A brief description of the characteristics associated with each of these types is included in the appendices.

Reliability and validity have been established for the Myers-Briggs Type Indicator (MBTI). Myers (1962) reports high reliabilities for the internal consistency (p. 84). Split-half reliabilities for type categories were estimated calculating the tetrachoric correlation coefficients and by applying the Spearman Brown prophecy formula (Myers,

1962, p. 20b). Carlyn (1977) used various methods to measure the internal consistency of continuous scores and produced similar coefficient results as did Myers (p. 465).

The validity of the Myers-Briggs Type Indicator has been conducted. Both Myers (1962), and Carlyn (1977) reported that the content validity for the four indices are generally consistent with the content of Jung's typological theory (p. 21; p. 468). A comparison of the MBTI with the Grey-Wheelwright Questionnaire, another instrument designed to identify Jungian types, showed three indices: (1) extraversion-introversion, (2) sensing-intuition, and (3) thinking-feeling as significant at the .01 level (Myers, 1962, p. 21). The fourth index of judgment-perception was not compared as the Grey-Wheelwright Questionnaire did not have this scale.

On predictive validity, Carlyn (1977) reports it as being moderate in the Myers-Briggs Type Indicator (p. 469). Construct validity has been investigated in the MBTI by Carlyn (1977), and Cohen, Cohen, and Cross (1981). Investigation of the MBTI's constructs and scores has resulted in both sets of researchers strongly suggesting, as Carlyn wrote:

That the individual scales of the Myers-Briggs Type Indicator measure important dimensions of personality which seem to be quite similar to those postulated by Jung. (p. 471)

In addition to the Myers-Briggs Type Indicator, a

Personal Demographics Sheet was used to collect data about the directors of nursing in nursing homes. The demographics form was a self-administered twelve question instrument designed by the researcher to yield information about the subjects' age, sex, marital status, nursing licensure, length of tenure as a nursing director, previous workplace, and education related achievements and pursuits. An example of this instrument is included in the appendices.

Data Collection

Participant packets consisting of a cover letter, an informed consent statement, a Myers-Briggs Type Indicator (MBTI) test booklet, an answer sheet for the MBTI, Personal Demographics Sheets, and a self-addressed, stamped return mailing envelope was mailed to each of the directors of nursing in nursing homes randomly selected to participate in the study. Examples of these items included in the participants packets, except the Myers-Briggs Type Indicator test booklet and answer sheet, are in the appendices.

The cover letter served as the letter of introduction to explain the purpose of the study. In addition, the cover letter performed other functions. It invited participation, indicated the length of time to complete the two research instruments, addressed anonymity and confidentiality, and provided instructions for returning the questionnaires. Also, the cover letter explained that the research findings

would be made available to the participants upon request. A detachable request form was provided with the statement of informed consent.

A follow-up letter was mailed as a reminder to participants who had not returned the research materials by a given date in the cover letter. An extension date for completing and returning the instruments was provided in the reminder letter as a sufficient response had not been obtained in the initial period of data collection.

The directors of nursing who participated in the study returned their completed questionnaires by mail to the researcher. As the participants returned their study materials on an individual basis, each of their assigned identification numbers was discarded to preserve their promised anonymity. Also, to maintain this anonymity, participant requests for a copy of the abstract of the study's findings were separated from the questionnaires as they were received by the researcher.

Data Analysis

For this descriptive research study, the descriptive statistical procedure of frequency distribution and the non-parametric test of inferential statistics, called chi square with Yate's Correction, were applied to analyze the data collected in the two questionnaires (Bartz, 1976, p. 294; Polit & Hungler, 1983, p. 520). According to Isaac and

Michael (1981), "Chi square is a means of answering questions about data existing in the form of frequencies" (p. 177).

To obtain the information for the frequency distributions and for analysis, the Myers-Briggs Type Indicator answer sheets were handscored. A different handscoring key, one for each of the eight choices, i.e., extraversion, introversion, sensing, intuition, thinking, feeling, judging, and perceiving, was applied to every answer sheet to determine which selections had the highest preference. When all four bi-polar scores had been determined, a type formula consisting of the letters from the four strongest preferences was compiled. Each personality type identified was assembled in a distribution table and the frequency of occurrence was tabulated. In this manner, the research questions concerning identification of the personality types and determination of the predominant personality type of the directors of nursing in nursing homes could be answered.

The answer to the research question regarding the significance of the distribution of the personality types of the nursing directors came through the application of the statistical technique called chi square. As the expected distributions of the personality types was below ten, Yate's Correction for this deficiency was calculated into the chi square computation. The chi square with Yate's Correction

was applied to the sets of expected and observed frequency distributions to test the significance of these personality type distributions for the directors of nursing in nursing homes. The level of significance was set at .05 for the results of the study.

Data collected on the Personal Demographic Sheets were organized into categories and tabulated into distribution tables for analysis.

Methodological Limitations

The methodological limitations for this study were:

1. The small sample of directors of nursing selected to participate in the study was largely due to the costs associated with mailing participant packets and the researcher's limited budget for financing the study.
2. The possibility that a participant's packet was mailed to a nursing home and unanswered because a director of nursing was not employed in the facility at that time.
3. The time frame for distributing the participant's packets may not have been ideal as some of the nursing homes in the State of Texas were under investigation for alleged mistreatment of nursing home patients and the institutional policies may have restricted responses to any outside agency inqui-

ries including the researcher's questionnaires.

Summary

In summary, the design of this descriptive survey was focused on collecting data that would answer the first two research questions that were concerned with the identification of the personality types and the determination of the predominant personality type for the directors of nursing in nursing homes located in the State of Texas. The significance of the distribution of the nursing directors' personality types was to be tested at a level of .05 to obtain an answer to the third research question.

Information pertaining to these research questions was collected through the mailing of the Myers-Briggs Type Indicator and a Personal Demographics Sheet to a randomly selected sample of 120 directors of nursing in nursing homes located in the State of Texas. Data collected through the return mailings of the questionnaires by study subjects were processed in a manner that provided the participants anonymity and confidentiality. Analysis of data was accomplished through the application of the descriptive statistical procedure of frequency distributions and the inferential statistic called chi square with Yate's Correction. Sample size, absence of nursing directors, and institutional restraints on study participation were given consideration as possible limitations affecting the research methodology.

CHAPTER IV

RESULTS

Introduction

This descriptive study was designed to answer three research questions concerning the personality types of directors of nursing in nursing homes located in the State of Texas. Data obtained through the Myers-Briggs Type Indicator were analyzed using the frequency distribution and chi square statistical procedures. Characteristics and findings about this study's sample were drawn from this analysis and the answers to questions on the Personal Demographics questionnaire. These characteristics and findings will be presented in this chapter.

Characteristics of the Sample

The population in this study consisted of directors of nursing in nursing homes located in the State of Texas. A simple random sample of 120 directors of nursing was selected to participate in the study. Participant packets were mailed to all of those selected. From this sample, 34 subjects responded by completing and returning the two questionnaires which had been mailed to them. These two ques-

tionnaires were the Myers-Briggs Type Indicator and the Personal Demographics Sheet.

Information on the ages of the directors of nursing was solicited on the demographics questionnaire. The age range was found to be 25 to 64 years with a mean age of 37.1 years and 35.3 per cent of the sample were between 35 and 44 years of age. This data is depicted in Table 1.

TABLE 1
AGE RANGE OF DIRECTORS OF NURSING

Age	Frequency	Percent
25 - 34	9	26.5
35 - 44	12	35.3
45 - 54	8	23.5
55 - 64	5	14.7
N = 34		

The sexual gender and marital status of the participants were requested on the demographics questionnaire. All respondents were female with the exception of one male. From the data provided, the marital statuses of the nursing directors were as follows: 79.4 percent married, 17.6 percent divorced, and 3.0 percent widowed. Information on the marital statuses is displayed in Table 2.

TABLE 2
MARITAL STATUS OF DIRECTORS OF NURSING

Marital Status	Frequency	Percent
Married	27	79.4
Divorced	6	17.6
Widow	1	3.0
N = 34		

Of the 34 respondents to the survey, 64.7 percent of the directors of nursing were registered nurses, and 35.3 percent were licensed vocational nurses. Table 3 displays this information.

TABLE 3
NURSING LICENSURE OF NURSING HOME DIRECTORS OF NURSING

Nursing License	Frequency	Percent
Registered Nurse	22	64.7
Licensed Vocational Nurse	12	35.3
N = 34		

Table 4 presents the survey results of the education-

al background of the respondents. Twenty-four, or 62.5 percent of the nursing directors possess an Associate Degree in Nursing, five or 20.8 percent have a Baccalaureate Degree in Nursing, and four or 16.7 percent possess a Diploma. Of the remaining ten subjects, five responded to this question on the highest academic degree possessed by recording either the abbreviations of RN or LVN in the block marked "Other", and five subjects did not record their highest academic degree.

TABLE 4
EDUCATIONAL BACKGROUND OF RESPONDENTS

Degree	Frequency	Percent
Diploma	4	16.7
Associate Degree in Nursing	15	62.5
Baccalaureate Degree in Nursing	5	20.8
N = 24		

The specialty in the highest academic degree achieved was predominantly basic nursing for 24 of the participants. One RN respondent with a Diploma and one RN with an Associate Degree in Nursing recorded being educated as nursing clinical specialists for an emergency room and a special

care unit. Two other participants indicated their specialty in school was nursing administration. Other individual specialties noted were education, hemodialysis, and psychology.

Table 5 shows that 26 respondents or 76.5 percent are not completing an academic degree while eight subjects or 23.5 percent are working on an academic degree. Of these eight participants, five were studying in the nursing field with four of them seeking an Associate Degree and one a Bachelor of Science in Nursing degree; two were studying psychology with only one of these indicating the degree level and it was a Masters; and one participant was studying health care administration at an unknown degree level.

TABLE 5
RESPONDENTS PRESENTLY COMPLETING AN ACADEMIC DEGREE

Response	Frequency	Percent
Yes	8	23.5
No	26	76.5
N = 34		

Twenty one or 61.8 percent of the directors of nursing were interested in continuing their academic education. Table 6 displays these findings.

TABLE 6
INTEREST IN CONTINUING ACADEMIC EDUCATION

Response	Frequency	Percent
Yes	21	61.8
No	13	38.2
N = 34		

Educationally, the nursing directors were primarily interested in continuing their studies in nursing. Nursing administration and gerontology were the next two choices. Most respondents desired a baccalaureate degree. These findings are exhibited in Table 7.

TABLE 7
DESIRED ACADEMIC FIELD AND DEGREE

Study Field	Degree	No Response	AD	BSN	MSN	Ph.D.
Nursing			2	5	1	
Nursing Administration				3		
Gerontology		3				
Psychology		2				
Education				1		
N = 17						

Thirty-three or 97 percent of the participants were interested in continuing education programs while one was not. Among those interested in the programs, 23 or 69.7 percent of the directors of nursing preferred programs scheduled during the daytime hours as opposed to 10 or 30.3 percent who desired the early evening hours. The preferred weekdays to attend the continuing education programs were Wednesdays and Thursdays.

In response to the question, "what is the most difficult problem the directors of nursing have?", staffing was the problem most often recorded. As many of the participants listed more than one problem, the problems were categorized according to shared commonalities. These categories are presented in Table 8.

TABLE 8
DIRECTOR OF NURSING'S MOST DIFFICULT PROBLEM

Problem	Frequency	Percent
Staffing	33	78.6
Changes in State Regulations	4	9.5
Family Members of Patients	3	7.1
Budget	1	2.4
Small Town Without A Doctor	1	2.4

The data presented in Table 9 reveals the types of continuing education topics that the study participants recorded would be most useful to them. Supervisory and employee management was the topic in greatest demand by the directors of nursing in nursing homes.

TABLE 9
MOST USEFUL EDUCATIONAL TOPICS

Topic	Frequency	Percent
Health Care Planning	2	4.2
Legal Aspects	2	4.2
Rehabilitative Nursing	3	6.3
Decubitus and Urinary Tract Infections	4	8.3
Nursing Home Management and Marketing	5	10.4
Update on geriatric diseases, medications, nursing procedures and techniques	7	14.5
Aging and Care of Aged	8	16.7
Supervisory and Employee Management	17	35.4

Additional data collected on the demographics questionnaire dealt with the length of time the subjects had been in their current director of nursing positions. Table 10 depicts that 41.2 percent of the nursing directors have

been in their current positions less than one year.

TABLE 10
 LENGTH OF TIME IN CURRENT POSITION
 AS A DIRECTOR OF NURSING

Years	Frequency	Percent
Less than 1	14	41.2
1	1	2.9
2 - 3	10	29.4
4 - 5	2	5.9
6 - 7	3	8.8
8 - 9	1	2.9
10 and more	3	8.8
N = 34		

A related question on time was utilized to elicit from the respondents the length of time each had been a director of nursing associated with nursing homes. Data presented in Table 11 shows that 38.2 percent of the sample has been in this capacity less than two years. However, 67.6 percent of the nursing directors have been associated with a nursing home for less than five years when the first two percentages in the Table 11 are combined.

TABLE 11
 LENGTH OF TIME AS DIRECTOR OF NURSING
 ASSOCIATED WITH NURSING HOME

Years	Frequency	Percent
Less than 2	13	38.2
3 - 5	10	29.4
6 - 9	4	11.8
10 - 12	3	8.8
13 - 15	1	2.9
16 - 18	1	2.9
19 - 20	1	2.9
21 and more	1	2.9
N = 34		

In response to the question on where the participants were working before becoming a director of nursing for a nursing home, findings in Table 12 show that 48.5 percent of the respondents worked in a nursing home and 42.5 percent were employed in a hospital. See Table 12 for these findings.

TABLE 12
 WORKPLACE BEFORE BECOMING A DIRECTOR OF NURSING

Workplace	Frequency	Percent
No Response	1	3.0
Doctor's Office	1	3.0
School	1	3.0
Not Working	1	3.0
Hospital	14	42.5
Nursing Home	16	48.5
N = 34		

Findings

Responses from the directors of nursing to the Myers-Briggs Type Indicator were compiled, and analyzed to answer the research study's three questions. The answer to the first research question is displayed in Table 13 which represents the personality types of the directors of nursing in nursing homes located in the State of Texas. From the responses of the 34 subjects participating in the study, ten personality types were identified from the 16 types that are possible in the measurements afforded by the Myers-Briggs Type Indicator.

TABLE 13
 FREQUENCY DISTRIBUTION OF PERSONALITY TYPES
 OF DIRECTORS OF NURSING IN NURSING HOMES
 IN THE STATE OF TEXAS

Personality Type	Frequency	Percent
ISFJ	8	23.5
ESFJ	7	20.6
ESTJ	6	17.6
ISTJ	4	11.8
ISFP	2	5.9
ESFP	2	5.9
INTP	2	5.9
ENTP	0	0
INFJ	1	2.9
ENFJ	0	0
INTJ	1	2.9
ENTJ	0	0
ENFP	1	2.9
INFP	0	0
ISTP	0	0
ESTP	0	0

N = 34

E = Extrovert
 S = Sensing
 T = Thinking
 J = Judgment

I = Introvert
 N = Intuition
 F = Feeling
 P = Perception

As indicated in Table 13, the personality type of ISFJ as introvert (I), sensing (S), feeling (F), and judgment (J) was the predominant personality identified among the directors of nursing taking part in this study. At 23.5 percent, the ISFJ personality type answered the second research question which sought to determine the predominant personality type for the directors of nursing in nursing homes in Texas that took part in the study.

The focus of the third research question was to determine if there was a significant difference in the personality types of the directors of nursing in Texas' nursing homes. In order to obtain the answer to this research question, the chi square statistical procedure was applied to the collected data. As the expected frequencies in the calculations were less than 10, the Yate's Correction for continuity formula was employed. The formula is:

$$X^2 = \frac{\sum (O - E - 0.5)^2}{E}$$

Downie and Heath (1974) recommend using the Yate's Correction because, "When any expected frequency is small, less than 10, a chi square computed for such data is likely to be an overestimate and may lead to erroneous conclusions" (p. 196).

The value of $X^2 = 30.30$ was determined and according to the Table of Distribution of X^2 Probability for 15 de-

degrees of freedom, the value of 28.259 for X^2 to be significant at the .02 level (Polit & Hungler, 1983, p. 631). Based on the chi square value of $X^2 = 30.30$, the finding was that there is a significant difference in the personality types of the directors of nursing in nursing homes located in the State of Texas.

Summary

The descriptive characteristics and findings of this study on the personality types of directors of nursing in nursing homes located in the State of Texas were presented in this chapter. A summation of the characteristics of the 34 subjects found on the Personal Demographics questionnaire indicates that 35.3 percent were in the age group of 35 to 44 years and all were female with the exception of the one male director of nursing. The majority of the participants are married. In the sample, 64.7 percent of the subjects were registered nurses and 35.3 percent were licensed vocational nurses. Academically, 62.5 percent of the nursing directors have Associate Degrees and the predominant educational specialty in their training was basic nursing. Twenty-six nursing directors (76.5%) were not completing an academic degree at research time. The interest in continuing with academic education was strong at 61.8 per cent with the primary field of study to be nursing. Ninety-seven per-

cent of the respondents were interested in continuing education programs and there was an indication that most of the nursing directors desired daytime programs scheduled preferably on Wednesdays and Thursdays. The difficult problem foremost in the minds of the participating nursing directors was staffing. The preferred continuing educational topic centered on supervisory and employee management. Among the directors of nursing who participated in the research study, 41.2 percent have been in their current director's position for less than one year. A high percentage of the subjects, 67.6 percent, have been associated with nursing homes as directors of nursing for less than five years. Nearly half of the respondents or 48.5 percent were working in a nursing home before becoming a director of nursing in a nursing home. The findings in the data collected through the Myers-Briggs Type Indicator indicated that ten personality types were present in the sample of respondents. The predominant personality type of ISFJ (Introversion, Sensing, Feeling, Judgment) was found to exist for these participating directors of nursing. Analysis of the personality types was conducted through application of the chi square statistical procedure with Yate's Correction. The chi square value of $\chi^2 = 30.30$ indicated a significant difference existed at the .02 level for those participating directors of nursing from nursing homes located in the State of Texas.

CHAPTER V

CONCLUSIONS AND RECOMMENDATIONS

Introduction

The purpose of this research study was to identify the personality types of the directors of nursing in nursing homes located in the State of Texas. The design of the descriptive research study involved mailing two questionnaires to a random sample of 120 directors of nursing in nursing homes located in the State of Texas. These questionnaires were the Myers-Briggs Type Indicator and the Personal Demographics Sheet. The self-administered questionnaires were completed and returned by 34 subjects. The Myers-Briggs Type Indicator measured the nurse administrator's preferences in regard to perception and judgment as based on Jung's and Myers' theories of personality types. These theories propose that there is an interplay between an individual's personality type and his or her perception and judgment preferences. Scoring the Myers-Briggs Type Indicator completed by each subject produced four preference scores, one for each of the four bi-polar scales which structure an individual's personality type, namely: extra-

version (E) or introversion (I), sensing (S) or intuition (N), thinking (T) or feeling (F), and judgment (J) or perception (P).

Data collected from the Myers-Briggs Type Indicator were analyzed to answer three research questions formulated for the study. The questions answered by the findings were:

1. What are the personality types of directors of nursing in nursing homes located in the State of Texas as measured by the Myers-Briggs Type Indicator?
2. Is there a predominant personality type for the directors of nursing in nursing homes located in the State of Texas?
3. Is there a significant difference in the personality types found among the directors of nursing in nursing homes located in the State of Texas?

One finding showed that ten personality types were found among the participating directors of nursing. A second finding indicated that the predominant personality type evident in these ten personality types was the ISFJ which signifies introversion (I), sensing (S), feeling (F), and judgment (J). The third finding showed that a significant difference in the personality types existed because the chi square value of $X^2 = 30.30$ exceeded the .05 level of significance.

Findings from the information collected on the Per-

sonal Demographics Sheet characterized the directors of nursing as: predominantly married females with a mean age of 37.1 years, licensed as registered nurses, educated primarily in associate degree nursing programs, interested in continuing education programs but not actively pursuing academic degrees, employed less than five years as a nursing director, and encumbered with staffing difficulties in the nursing home.

Interpretation

The first research question was an inquiry into the personality types of the directors of nursing in nursing homes located in the State of Texas as measured by the Myers-Briggs Type Indicator. Ten of the sixteen personality types possible on the Myers-Briggs Type Indicator were identified among the 34 participating directors of nursing. The ten personality types were:

- | | | | | | |
|-----|--------------|-----------|----------|------------|--------|
| 1. | Introversion | Sensing | Feeling | Judgment | (ISFJ) |
| 2. | Extraversion | Sensing | Feeling | Judgment | (ESFJ) |
| 3. | Extraversion | Sensing | Thinking | Judgment | (ESTJ) |
| 4. | Introversion | Sensing | Thinking | Judgment | (ISTJ) |
| 5. | Introversion | Sensing | Feeling | Perception | (ISFP) |
| 6. | Extraversion | Sensing | Feeling | Perception | (ESFP) |
| 7. | Introversion | Intuition | Thinking | Perception | (INTP) |
| 8. | Introversion | Intuition | Feeling | Judgment | (INFJ) |
| 9. | Introversion | Intuition | Thinking | Judgment | (INTJ) |
| 10. | Extraversion | Intuition | Feeling | Perception | (ENFP) |

The diversity evident in the ten personality types indicates that nurses with different personalities had chosen to be directors of nursing in nursing homes.

The variety in the personalities is accounted for by Jung's and Myers' theories of personality types. According to Myers (1962):

The apparently random variation in human behavior is actually quite orderly and consistent being due to certain basic differences in the way people prefer to use perception and judgment. (p. 1)

By definition, a nursing director's perception determines what he or she sees in a situation, and his or her judgment determines what he or she decides to do about it. The basic preferences of the directors of nursing in regard to perception and judgment were identified by their choices between the opposites found in each of the four indices comprising the personality type. These four indices were: extraversion (E) or introversion (I), sensing (S) or intuition (N), thinking (T) or feeling (F), and judgment (J) or perception (P). Therefore, according to Jung's and Myers' theories, the directors of nursing's personalities are like other people in that they reflect that there are individual differences in the way people prefer to perceive and judge. As a result, people behave differently in our society.

The second research question addressed whether there is a predominant personality type among the directors of nursing in Texas' nursing homes. The predominant personality type was determined to be the ISFJ type which is composed of the four perception and judgment preferences: introversion (I), sensing (S), feeling (F), and judgment (J). Eight

of the respondents or 23.5 percent were found to be of the ISFJ personality type.

The directors of nursing who were identified with this personality type would be better understood by a description of each preference comprising the personality type. Myers and Myers (1980) have described the effects of these preferences in work situations.

According to the nursing directors' preference to be introverts, these individuals would be noted to have the faculty for concentration because more attention is paid to what is going on inside the head with concepts and ideas than to what is going on outside in the outer world of people and things. On the job, these nurse administrators prefer to work alone, and tend not to mind about working on a project for an extended period of time. Interruptions and telephone intrusions are disliked. These nursing directors tend to be very thorough and careful with details. Also, these individuals are interested in the idea behind a current project. Thinking a lot before acting, and possibly not acting afterwards would also describe these directors of nursing who have a preference for introversion.

As sensing types, these individuals are characterized as being precise, logical and systematic in doing administrative work. These nurse administrators show an excellent ability to adapt to the routine ways of doing things. New

problems are bothersome unless there standard methods to resolve them. These nursing directors are conspicuous for being patient with routine details but impatient when the details become complicated.

Another aspect of the ISFJ personality type is the preference for feeling. Feeling means these directors of nursing are very people oriented. In being aware of other people and their feelings, the nurse administrators try to maintain a harmonious working relationship in the nursing home. Praise is given and occasional praise in return is appreciated. As such, these individuals would prefer to please people rather than tell them unpleasant things. This people oriented nature of the feeling preference often lets the nursing director's decisions be influenced by people's personal likes and dislikes.

The last preference in the personality type is judgment. A judgment preference indicates the nursing directors work best when they can plan their work and can follow that plan. In organizing work, the preference is on getting facts that are stated clearly and simply. Being organizers, these nurse administrators prefer to get things settled and finished before moving on to other projects. There is a tendency on these nursing directors' part to be satisfied once a judgment on a thing, situation, or person has been reached. Adherence to the established standard operating

procedures by themselves and other staff members is valued and respected by the nursing directors.

Although a predominant personality type was found to exist among the directors of nursing in nursing homes, the ESFJ counterpart of the ISFJ personality type needs consideration too. Attention should be directed at the ESFJ personality types because it was the next highest in the pattern of frequency distributions. The ESFJ personality type was identified on seven or 20.6 percent of the 34 research instruments. The directors of nursing with the ESFJ type are similar in the sensing (S), feeling (F), and judgment (J) indices to the nursing directors described with the ISFJ personality type. The difference between these two personality types is that the ESFJs are extroverts whereas the ISFJs are introverts. With this difference in mind, a thumbnail sketch of these nurse administrators as extroverts would primarily characterize them as the most sociable of the types. ESFJs are energized by the variety and action that comes from interactions with people. These nursing directors do not mind the telephone interruptions and intrusions that come from having people around in the workplace. Whether work is performed personally or by other people, these nurse administrators are interested in how the work was accomplished and the results. A personal preference is on performing fast uncomplicated procedures, and avoiding

the long slow jobs. Often, these nursing directors act quickly, and sometimes without thinking. As extroverts, the directors of nursing love to communicate and live in terms of people and things (Myers & Myers, 1980, p. 93).

Another dominant personality type was the ESTJ. Six or 17.6 percent of the 34 sampled directors of nursing were concentrated in this personality type. The indices of extraversion, sensing, and judgment in this ESTJ personality type are similar to those described for the ISFJ and ESFJ personality types. The preferred index of thinking (T) characterizes these nursing directors as extraverted thinkers who:

Use their thinking to run as *much* of the world as may be theirs to run. They are in their element whenever the outer situation needs to be organized, criticized, or regulated. Ordinarily they enjoy deciding what ought to be done and giving the appropriate orders to ensure that it will be done. They abhor confusion, inefficiency, half measures, anything that is aimless and ineffective. Often they are crisp disciplinarians, who know how to be tough when the situation calls for toughness. (Myers & Myers, 1980, p. 85)

Because of these characteristics, Myers and Myers (1980) acknowledge this personality type, "might be called the standard executive type" (p. 86). The directors of nursing with an ESTJ personality type enjoy administration because of their natural tendency to think, plan, decide, organize, and achieve results.

The reason for the prominence of the three personality types of ISFJ, ESFJ, and ESTJ among the directors of nur-

sing is unclear. However, the strong favoritism for these personality types may be accounted for by the similarities in certain preferred indices that comprise the personality types. The nursing directors who have these three personality types have indicated a common preference for the indices of sensing and judgment.

Keirsey and Bates (1984) have summarized and described the traits of these shared preferences in terms of administrative strengths. Accordingly, these nurse administrators have a sense of social responsibility that is reflected in being duty bound and obligated to serve the interests of the nursing home. Because these individuals like administrative work, the nursing directors are in nursing homes to establish nursing services, and to nurture and maintain the services as an effective, smooth running system. Subordinates know these leaders expect the rules of the nursing home to be followed and disapprove of the wrongdoers. Before these directors of nursing take any personnel or administrative actions, the consequences are weighed in an effort to see the practical effects of the decision. According to Keirsey and Bates (1984), the abilities of these particular nursing directors:

Lie in establishing policies, rules, schedules, routines, regulations, and hierarchy.... drawing up lines of communication, at following through....being patient, thorough, steady, reliable, orderly...value policies, contracts, and standard operating procedures. This sort of manager can be relied on to arrange the

environment so as to bring stability to an organization. (p. 138)

Overall, the obligations of serving others and being useful to the nursing home through administrative activities are proven daily by these nurses. In having similar preferred ways of behaving, these individuals are accepting and fulfilling the duties and responsibilities as directors of nursing in nursing homes.

The third research question asked whether there is a significant difference in the personality types found among the directors of nursing in Texas' nursing homes. Through the application of the chi square statistical procedure with Yate's Correction to the expected and observed frequency distributions of personality types, a significant difference was found to exist among the personality types.

The deviation between the theoretical expectation and the observed frequency distributions was significant in that the distribution of the ten personality types did not occur by chance. The expectation of two nursing directors distributed in each of the sixteen personality types was not realized in the results.

The observed frequencies in some of the personality type categories deviated more than others from what was expected by chance. The largest differences between the expected and observed values of the chi-square analysis were in regard to the ISFJ, ESFJ, and ESTJ personality types.

The expected distribution in each of the personality types was to be two, but the observed distributions were eight, seven, and six respectively. Thus, the greatest contributions to the chi square value comes from the fact that there are more directors of nursing in nursing homes who are of these three personality types than the number that would be expected by chance.

To account for the effect of the small sample size on the one-way classification of the chi square with the small expected distribution frequencies, chi square (X^2) was computed with Yate's Correction. The value for X^2 necessary for a .05 level of significance was 25.00. The obtained value from the analysis of the sample's results was $X^2 = 30.30$, which is at the .02 level of significance. This chi square value indicates there is a significant difference in the personality types of the directors of nursing in nursing homes located in the State of Texas.

Nursing Implications

Who are the directors of nursing? Are the directors of nursing those whose personal characteristics when put together would render this recognizable portrait: attention focused on the inner world of ideas; respect for facts and capacity for detail; judgments based on sympathetic handling of people; and decisive after reflection? Or are the directors of nursing better described with this portrait: atten-

tion focused on the outside world of people and things; respect for facts and capacity for detail; impersonal judgments based on cause and effect; and immediate decisions?

The answer to the question is that all these personal characteristics describe a director of nursing. These descriptions are not exclusive because the results of this research study indicated that there are other personal characteristics to describe the nurse administrators who are directors of nursing in nursing homes. The ten personality types identified for these nursing directors give evidence that people are different from each other. These differences in personalities do not make one right and the other wrong but illustrate the point that people have preferential differences in the manner in which perception and judgment are used in the administrative workplace.

By identifying and describing the personality types of the nursing home directors of nursing, other nurses now have an opportunity to become aware of how others in administrative positions are oriented to life. This recognition permits a view of the personality types and their impact not only for the individual nursing directors but also for nursing colleagues and subordinates. The identification and description of personality types, which is available through the Myers-Briggs Type Indicator, can help the nursing directors balance their own perception and judgment processes.

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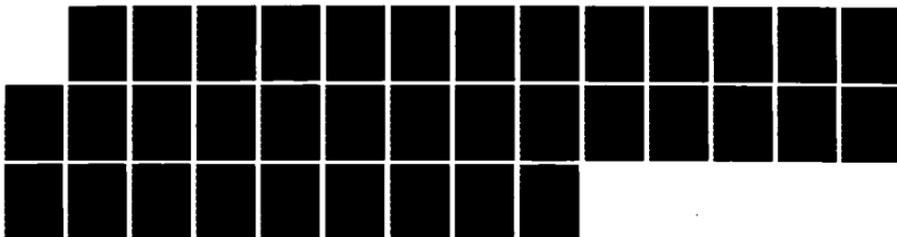
PERSONALITY TYPES OF DIRECTORS OF NURSING IN NURSING
HOMES(U) AIR FORCE INST OF TECH WRIGHT-PATTERSON AFB OH
C W WILLIAMS MAY 86 AFIT/CI/NR-86-96T

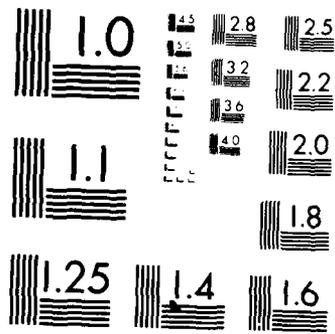
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A

This balancing of processes will be necessary if the nursing directors are to meet the new demands facing them in nursing home administration and patient care delivery.

These nursing leaders will need to add to their natural preferences the appropriate use of the opposite attitude either by developing a controlled use of the attitudes within themselves or by using the opposite attitudes other people bring with them. Until the director of nursing becomes skilled in utilizing an opposite preference, the best alternative would be for them to gather people around them who have the opposite processes. These people would pick and look at matters in a different way in order to supplement each other in the joint undertakings of administration and patient care. For example, the sensing type of nursing director needs an intuitive type of person who will bring up new possibilities and ingenuity on problems. Intuitives would be able to read the signs of coming change and help prepare the sensing nursing directors for the future.

Enhancement and development of the dominant and auxiliary personality preferences for these directors of nursing can occur best through educational programs designed for this purpose. Also, educational preparation for the duties of a nurse administrator will enhance the performance of a director of nursing regardless of the personality type possessed. The need for education and training is evident

for the study's participating nursing directors as their basic educational preparation generally does not prepare them for managerial responsibilities. The administrative coursework deficient in most Associate Degree nursing programs may be part of the reason most of the directors of nursing indicated that their immediate educational needs were in supervisory and employee management. Another reason that people problems are of primary concern to the nursing directors is the concern goes along with the feeling aspect of their personality types.

Evident in the nursing homes are registered nurses with baccalaureate degrees who had worked previously in hospitals. Their presence may be the advent of an exodus of these older nurses to the nursing homes where they will feel comfortable in organizing and moving things along. Their ESTJ personality types are fitting for the nursing directors position. The belief in the coexistence of the hospitals and nursing homes for mutual economical survival may be more of a reality with these nurse administrators who have had experience in both health care organizations.

Nurse administrators should be able to move into either practice area, hospital or nursing home, as both are viable employment opportunities. Disdain for the nursing home as the second best place for a nurse to practice nursing administration needs to be replaced with respect. For

the nursing home offers the nurse the same opportunity to utilize his or her knowledge and skills as a hospital nurse administrator would encounter. Education and personality types can make a nurse marketable in either practice area.

With hospital nurses employed in nursing homes and the personality types identified for the nursing directors, networking between nurse administrators in hospitals and nursing homes may be enhanced (O'Connor, 1982, p. 36). Networking is more possible as the nursing home directors of nursing are very similar to the ESTJ personality characteristics found by Garvin (1984) for nurse administrators in Texas' 200 bed hospitals. This closeness should help nurses see each other as sharing commonalities and bridge the gap that exists because of the stigma surrounding nursing homes.

In addition, many commonalities were found in comparing the personality characteristics of the nurses discussed in the literature review with the personality types of directors of nursing in nursing homes. The descriptive terms used to characterize the medical-surgical nurses, such as authoritarian, reliable, orderly, sociable, concern for others, and conventional, closely resemble those used for the preferences of extrovert, sensing, feeling, and judgment. Analytical, interpersonal, and emotional competencies in the personalities of the effective business managers could also be ascribed to the directors of nursing.

The implication in the identification and description of personalities through the literature review and this research study is that nurses are similar and different in the fundamental ways of perceiving and judging. With these similarities and differences in personalities known, this knowledge can help people distinguish what reasons are behind the behaviors of nurses and nursing directors. By knowing a nurse's personality type, one can anticipate rather accurately what that person will do most of the time.

Through a revitalized interest in personality types, nurses can come to see each other as different and recognize that there is not a need to change others to be like themselves. Nurses need to redress their separation as distinct areas of nursing practice and reaffirm their alliance with each other as nurses in a profession that can be practiced effectively and successfully wherever they are employed to administer the affairs of the nursing profession.

Conclusions

From the results of this research study, one can conclude that there is not a specific and exclusive personality type characterizing nurses who are directors of nursing in nursing homes located in the State of Texas. The close distribution of the nursing directors among three of the identified personality types questions the specification that one personality type, the ISFJ, is truly the predominant one.

The personality types of the sampled directors of nursing in nursing homes show different orientations to life in regard to the use of perception and judgment. One cannot discourage nurses from pursuing a nursing administration career in a nursing home because individual personality types do not match those found in this study. The opportunity exists for each personality type to contribute its managerial strengths to the field of nursing administration. However, one must be aware of the similarities and dissimilarities in personality types so that the strengths and weaknesses of each can be harnessed for the good of the individual and the organization.

The predominance of the sensing preference in these directors of nursing must be balanced by the intuition preference if these nurse administrators are to meet the future challenges in health care facing nursing homes. Making the intuition process a dominant factor in their lives will help the directors of nursing be creative, and imaginative in devising new solutions that will solve the health care problems.

Educational preparation in the administrative areas of personnel management is a necessity for directors of nursing. The basic curriculum coursework in the nursing programs for the licensed vocational nurses, and associate degree registered nurses prepares these nurses more for the

technical aspect of patient care than it does for the leadership role.

How well do we know the personalities of our nurse administrators? It is difficult to draw any firm generalizations about a nursing personality profile for them. The surge of interest in the personalities of nurses evident in the 1960's has waned over the years. Now, there is a viable need to rekindle that interest and study the personalities of nursing leaders as they incorporate themselves into their jobs and achieve a satisfactory level of psychological well-being.

Recommendations

As a result of this research study, the following recommendations are made in an effort to propose directions for future studies that could distribute more information about the personality types of directors of nursing in nursing homes.

1. Replication of this study is recommended. The population sample should be larger in order to verify the personality types and their distribution among the directors of nursing in nursing homes located in the State of Texas.
2. Another recommendation is that this study be reproduced utilizing a larger population sample derived

from a broader geographical area, even nationally, to ascertain the applicability of the current study's results to nursing directors in nursing homes in general.

3. From the demographic information collected in this study, it is apparent that nursing licensure of the directors in nursing homes may be either as registered nurses (RNs) or licensed vocational nurses (LVNs). With this finding, it is recommended that a study be undertaken that will permit the comparison of the personality types of the RNs and LVNs who serve as directors of nursing in nursing homes.
4. From the results of this study and those of Garvin (1984), the following recommendation involves a further investigation into the RNs who are nurse administrators in different types of health care organizations. It is recommended that a study be developed to examine the personality types of RNs who are nursing administrators in nursing homes and hospitals of comparable bed capacities to determine what similarities and differences exist among them.
5. And the final recommendation is a follow-up to the preceding recommendation. The proposal is to design a research tool to measure successful perfor-

mance as a nurse administrator. The tool would be utilized in a study to match personality type with a good criteria of performance so that personality types for key nurse administrators in nursing homes and hospitals could be identified. The identification procedure would be a part of the education process to help develop future nurse administrators for either type of health care organization.

APPENDIX A

MYERS-BRIGGS TYPE INDICATOR

MYERS-BRIGGS TYPE INDICATOR

The Myers-Briggs Type Indicator and the answer sheet are copyrighted. Permission to include these research instruments in the appendix was not granted. Copies of the Myers-Briggs Type Indicator Form F test booklet, and the answer sheet may be obtained from:

Consulting Psychologists Press, Inc.
577 College Avenue
Palo Alto, California 94306
Phone: 415-857-1444

APPENDIX B

PERSONAL DEMOGRAPHICS SHEET

PERSONAL DEMOGRAPHICS SHEET

PLEASE RESPOND TO ALL OF THE FOLLOWING QUESTIONS. CIRCLE THE LETTER THAT CORRESPONDS TO THE BEST RESPONSE IN EACH OF THE QUESTIONS.

1. WHAT IS YOUR AGE GROUP:
 - A. 20 - 24
 - B. 25 - 29
 - C. 30 - 34
 - D. 35 - 39
 - E. 40 - 44
 - F. 45 - 49
 - G. 50 - 54
 - H. 55 - 59
 - I. 60 - 64
 - J. 65 - OLDER

2. YOUR SEX IS:
 - A. FEMALE
 - B. MALE

3. WHAT IS YOUR MARITAL STATUS:
 - A. SINGLE
 - B. MARRIED
 - C. DIVORCED
 - D. WIDOW
 - E. WIDOWER

4. WHICH NURSING LICENSE DO YOU HOLD:
 - A. LICENSED VOCATIONAL NURSE
 - B. REGISTERED NURSE

5. HOW LONG HAVE YOU BEEN IN YOUR CURRENT POSITION AS DIRECTOR OF NURSING?
 - A. LESS THAN 1 YEAR
 - B. 2 - 3 YEARS
 - C. 4 - 5 YEARS
 - D. 6 - 7 YEARS
 - E. 8 - 9 YEARS
 - F. 10 AND MORE YEARS

6. OVERALL, HOW LONG HAVE YOU BEEN A DIRECTOR OF NURSING ASSOCIATED WITH NURSING HOMES?

- A. LESS THAN 2 YEARS
- B. 3 - 5 YEARS
- C. 6 - 9 YEARS
- D. 10 - 12 YEARS
- E. 13 - 15 YEARS
- F. 16 - 18 YEARS
- G. 19 - 20 YEARS
- H. 21 AND MORE YEARS

7. WHERE WERE WORKING BEFORE YOU BECAME A DIRECTOR OF NURSING?

- A. HOSPITAL
- B. CLINIC
- C. DOCTOR'S OFFICE
- D. NURSING HOME
- E. OTHER _____

8. WHAT IS THE HIGHEST ACADEMIC DEGREE YOU HAVE COMPLETED?

- A. ASSOCIATE DEGREE IN NURSING
- B. BACCALAUREATE DEGREE IN NURSING
- C. MASTERS DEGREE IN NURSING
- D. DOCTORATE
- E. OTHER _____

9. WHAT DID YOU SPECIALIZE IN FOR YOUR HIGHEST DEGREE?

- A. BASIC NURSING
- B. NURSING CLINICAL SPECIALIST (Please indicate what area) _____
- C. EDUCATION
- D. NURSING ADMINISTRATION
- E. HOSPITAL ADMINISTRATION
- F. BUSINESS ADMINISTRATION
- G. OTHER _____

10. ARE YOU COMPLETING AN ACADEMIC DEGREE AT THIS TIME?

- A. YES
- B. NO

IF YOU ANSWERED YES TO QUESTION 10, PLEASE WRITE IN YOUR FIELD OF STUDY AND THE DEGREE YOU WILL EARN.

FIELD OF STUDY _____
DEGREE _____

11. ARE YOU INTERESTED IN CONTINUING YOUR ACADEMIC EDUCATION?

- A. YES
- B. NO

IF YOU ANSWERED YES TO QUESTION 11, PLEASE WRITE IN YOUR DESIRED FIELD OF STUDY AND THE DEGREE YOU WOULD LIKE TO COMPLETE.

FIELD OF STUDY _____
DEGREE _____

12. ARE YOU INTERESTED IN ATTENDING CONTINUING EDUCATION PROGRAMS?

- A. YES
- B. NO

IF YOU ANSWERED YES TO QUESTION 12, PLEASE ANSWER THE FOLLOWING QUESTIONS.

DO YOU PREFER CONTINUING EDUCATION PROGRAMS SCHEDULED DURING:

- A. DAYTIME HOURS
- B. EARLY EVENING HOURS

WHICH DAYS OF THE WEEK ARE THE MOST CONVENIENT FOR YOU TO ATTEND CONTINUING EDUCATION PROGRAMS?

- A. MONDAY
- B. TUESDAY
- C. WEDNESDAY
- D. THURSDAY
- E. FRIDAY
- F. SATURDAY

WHAT IS THE MOST DIFFICULT PROBLEM YOU HAVE AS A DIRECTOR OF NURSING?

WHAT PROGRAM/EDUCATIONAL TOPICS WOULD BE MOST USEFUL TO YOU?

APPENDIX C

COVER LETTER TO DIRECTORS OF NURSING

COVER LETTER TO DIRECTORS OF NURSING

306 Sixpence Lane
Euless, Texas 76039
30 September 1985

Dear Director of Nursing,

As a graduate student at the University of Texas at Arlington, I am looking for directors of nursing in nursing homes who are willing to participate in my research study. This study is concerned with identifying the way nurse administrators look at things and how they like to go about deciding things. Your basic preferences in regard to perception and judgment can be identified and described through answers to a set of questions.

I am particularly interested in directors of nursing in nursing homes as very little is known about them. I invite you to participate in this research project. My efforts to provide more information in this area can be successful with your contribution.

Enclosed in this envelope are materials that will help me collect information. Please read the Statement of Informed Consent before completing the Myers-Briggs Type Indicator and the Personal Demographics Sheet. Instructions for completing these survey questionnaires are on each of them. The average time for completing both instruments is 25 minutes.

I would appreciate your answering these questionnaires and returning them in the enclosed, self-addressed envelope by 18 October 1985. Other phases of this research study cannot be carried out until your responses have been returned. I hope that you will be a contributor, but if you cannot, please return all the materials to me so that another director of nursing may participate.

Instead of completing your name on the Myers-Briggs Type Indicator and the Personal Demographics Sheet, please note the identification number that has been entered for you. You are identified only by a number which will be discarded as soon as your materials have been returned. In this manner, complete anonymity, and confidentiality of your participation can be assured.

Your interest in the results of this study is welcomed and the findings will be made available to you upon request.

Thank you for your time and cooperation in promptly completing the enclosed materials.

Sincerely,

CALVIN W. WILLIAMS

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1. Statement of Informed Consent
2. Myers-Briggs Type Indicator (MBTI)
3. Answer sheet for MBTI
4. Personal Demographics Sheet
5. Return mailing envelope

APPENDIX D

STATEMENT OF INFORMED CONSENT

STATEMENT OF INFORMED CONSENT

My consent to be a participant will be acknowledged by reading the following information and completing two survey questionnaires.

As a participant in this Master's thesis research study:

- a. I have been informed that this study seeks to elicit information about nurse administrators from directors of nursing in nursing homes located in the State of Texas.
- b. I understand this information will be collected by self-administration of both the Myers-Briggs Type Indicator and the Personal Demographics Sheet. It will take me approximately 25 minutes to complete these questionnaires.
- c. I understand that responses to the Myers-Briggs Type Indicator will help to identify how I like to look at things (perception) and how I like to go about deciding things (judgment). My answers to the questions on the Personal Demographics Sheet will help to describe some general characteristics about me as a participant in the study.
- d. My identity as a subject will be through an assigned identification number which will be discarded when I return the research study materials. My individual identity will be protected so that information I provide cannot be linked to me.
- e. I understand that my individual responses will be combined with the other participants and will not be attributed to me personally. Also, I understand that all information obtained through this study will be kept confidential as to source, and that no individual will be identified in the research report.
- f. I give my consent for the results of the Myers-Briggs Type Indicator and the Personal Demographics Sheet to be used in the researcher's Master thesis and any future publications.

- g. I acknowledge that my consent to participate is inferred by my completing the Myers-Briggs Type Indicator and the Personal Demographics Sheet.
- h. I agree to mail the Myers-Briggs Type Indicator (MBTI) booklet, MBTI answer sheet, and the Personal Demographics Sheet to the researcher after I complete them.

PLEASE SEPARATE AND MAIL THIS BOTTOM PORTION TO THE RESEARCHER IF YOU WOULD LIKE A COPY OF THE ABSTRACT OF THE STUDY'S FINDINGS.

MAIL TO: Calvin W. Williams
306 Sixpence Lane
Euless, Texas 76039

Yes, I would like a copy of the abstract of the study's findings. Please send the copy to:

Name: _____

Street Address: _____

City: _____

State: _____

Zip Code: _____

APPENDIX E

FOLLOW-UP LETTER TO DIRECTORS OF NURSING

FOLLOW-UP LETTER TO DIRECTORS OF NURSING

306 Sixpence Lane
Euless, Texas 76039
25 October 1985

Dear Director of Nursing,

Early in September, I wrote to you and invited you to join in a research study whose purpose was to survey the way directors of nursing in nursing homes prefer to use their minds, specifically the way they perceive, and the way they make judgments. To help with this study, participants would answer two questionnaires. At present, I haven't received your questionnaires so I decided to write again and ask you to please take the opportunity to fill them out.

Those directors of nursing who have responded have expressed overwhelming enthusiasm and interest in the subject of the study. Again, I invite you to participate and share as they have, the way you prefer to think and judge.

Please take a moment and complete the Myers-Briggs Type Indicator and the Personal Demographics Sheet. To have your perception and judgment preferences included in this research, please return them to me in the stamped, self-addressed envelope by November 8th.

Your participation means a great deal to me and to the success of this research. I hope you will take the time to contribute.

Sincerely,

CALVIN W. WILLIAMS

APPENDIX F

BRIEF DESCRIPTION OF 16 PERSONALITY TYPES

BRIEF DESCRIPTIONS OF 16 PERSONALITY TYPES

- ISFJ - Sympathetic manager of facts and details; concerned with peoples' welfare; dependable, painstaking, and systematic; stable and conservative.
- ESFJ - Practical harmonizer, and worker with people; sociable, orderly, opinioned; conscientious, realistic, and well-tuned to the here and now.
- ESTJ - Fact minded, practical organizer; aggressive, analytic, systematic; more interested in getting the job done than in people's feelings.
- ISTJ - Analytical manager of facts and details; dependable, decisive, painstaking, and systematic; concerned with systems and organization; stable and conservative.
- ISFP - Observant, loyal helper; reflective, realistic, empathetic; patient with details, gentle, and retiring; shuns disagreements; enjoys the moment.
- ESFP - Realistic adapter in human relationships; friendly and easy with people, highly observant of their feelings and needs; oriented to practical, first-hand experience.
- INTP - Inquisitive analyzer; reflective, independent, curious, more interested in organizing ideas than situations or people.
- ENTP - Inventive, analytical planner of change; enthusiastic and independent; pursues inspiration with impulsive energy; seeks to understand and inspire others.
- INFJ - People-oriented innovator of ideas; serious, quietly forceful and persevering; concerned with the common good, and with helping others develop.
- ENFJ - Imaginative harmonizer, and worker with people; sociable, expressive, orderly, opinioned, conscientious; curious about new ideas and possibilities.

- INTJ - Logical, critical, decisive innovator of ideas; serious, intent, highly independent, concerned with organization, determined and often stubborn.
- ENTJ - Intuitive, innovative organizer; aggressive, analytic, systematic; more tuned to new ideas and possibilities than to people's feelings.
- ENFP - Warmly enthusiastic planner of change; imaginative, individualistic; pursues inspiration with impulsive energy; seeks to understand and inspire others.
- INFP - Imaginative, independent helper; reflective, inquisitive, empathetic, loyal to ideals; more interested in possibilities than practicalities.
- ISTP - Practical analyzer; values exactness; more interested in organizing data than situations or people; reflective, cool and curious observer of life.
- ESTP - Realistic adapter in the world of material things; good-natured, tolerant, easy with people, highly observant of people's feelings and needs; oriented to practical first-hand experience.

Source: Lawrence, G. (1982). People Types and Tiger Stripes: A Practical Guide To Learning Styles. Gainesville: Center for Applications of Psychological Types, Inc.

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