

Predictors of Subjective Wellbeing Among Elderly

Jose Arnold Tariga and Jezyl C. Cutamora

Abstract

This study aimed to determine the predictors of subjective wellbeing among elderly. The researcher utilized a descriptive correlational design to identify patterns of relationship that existed between the variables and to measure the strength of the relationship, which in this case involved the individual variables (educational attainment, health status, employment status, and presence of stressors), family variables (marital status, family size, family income, quality of family relationship, and family support) and social characteristics (social relationships, church attendance, access to amenities/ transportation, safe environment and community participation) and the level of subjective wellbeing among the elderly. The study was conducted in the municipality of Sagbayan, Bohol, Philippines. The researcher utilized a self-made questionnaire, the Perceived Stress Scale, Spiritual Wellbeing Scale and the Satisfaction with Life Scale (SWLS) to gather the needed information relevant to the variables under study. Multiple regression and analysis of variance through the SPSS software were utilized in the treatment and analysis of the data. It was found out that the mean level of subjective wellbeing among elderly falls under the average level of life satisfaction which means that the elderlies are generally satisfied with the different aspects of their lives but there are certain domains that they would very much like to improve. The study also revealed that the significant predictive variables for the elderlies' subjective wellbeing include age, health status, perceived stress, community participation, family income, and neighborhood safety. Implications of these results are noted for the development of programs and initiatives to enhance subjective wellbeing.

KEYWORDS: *Subjective Wellbeing, Predictors, Elderlies, Individual Characteristics, Family Characteristics, Social Characteristics, Life Satisfaction*

1.0 Introduction

The Economic and Social Affairs of United Nations (2013) recently disclosed that the number of the aging population in most countries of the world is increasing in number. The report forecasted that the present number of older individuals aging 60 years and above will be more than double in the year 2050, that is from 841 million elderlies in 2013 to a whopping 2 billion in 2050. The World Health Organization (2011) also projected that the aging population will outnumber the younger population for the first time in the year 2047.

Currently, approximately 67% of older person's dwell in developing countries and they are still compounding in numbers. Hence it is projected that 8 out of 10 elderlies will live in less developed areas in the world (Economic & Social Affairs – United Nations, 2013)

The projected increase of the aging population has drawn considerable attention to the general health and wellbeing of elderly. Measuring the elderly's health does not only include objective measures such as medical reports but also personal measures such as self-perception of

health, satisfaction in the different aspects of life and subjective wellbeing. Subjective wellbeing has been considered as one of the indicators of health and an important variable that affects the elderlies' quality of life (Zhang, 2010). It is therefore primordial to verify if the elderlies are happy and satisfied with their lives.

As defined by Diener (2009), subjective wellbeing pertains to how a person experiences the quality of his life through cognitive judgments and emotional reactions. McGillivray and Clarke (2006) asserted that subjective wellbeing encompasses a multidimensional assessment of life, including cognitive judgments of life satisfaction and affective evaluations of emotions and moods. Bruni and Porta (2007) emphasized that subjective wellbeing is a state of wellbeing and is an amalgamation of both the affective and cognitive aspects of human life. The Organization for Economic Cooperation and Development (2013) defined subjective wellbeing as an optimal mental state, which comprises the various positive and negative evaluations that people fabricate based on their life experiences as well as their affective reactions to these occurrences.

Substantial evidence supports that a myriad of variables affect subjective wellbeing and the most influential variables include optimal health and physiologic status, satisfactory relationships, amenities and transportation accessibility, neighborhood safety, financial capacity to meet needs, and the ability to become an active member of the society (Cantarero, Potter & Leach, 2007). Factors like health, income and social relationships have been identified as predictors of elderlies' subjective wellbeing (Zhang, 2010). The International Journal of Aging and Human Development as cited by Gabriel and

Bowling (2004) confirmed that social support and family help, physical health, functionality, level of anxiety, sense of control and environmental deficits as indicators of elderly's quality of life and subjective wellbeing.

The researcher's interest in pursuing this study came into being upon observing that most of the predictors studied are at the individual level and little attention has been given to the association of the elderly's subjective wellbeing to his family or the immediate neighborhood or society that he is living. The researcher believes that it can be helpful to use a system to help categorize the factors that affect the elder's subjective wellbeing.

This research was focused on the determination of the predictors of subjective wellbeing among the elderly. The researcher intended to examine whether selected individual variables such as educational attainment, health status, employment status, and presence of stressors; family characteristics such as marital status, family size, family income, quality of family relationship and family support; or neighborhood variables such as social relationships, church attendance, access to amenities/transportation, safe environment and community participation play a crucial part in the acquisition of subjective wellbeing among the elderlies.

1.1 Theoretical and Conceptual Framework of the Study

This study was anchored on the Human Ecology Theory which asserts that humans are both biological organisms and social beings which are constantly interacting with their environment. The theory which was developed by psychologist Urie Bronfenbrenner (1994) explains why people have different behaviors in different settings

(Sincero, 2012). Interdependence is seen between the quality of human life and the environment, and a person's behavior is a function of interaction between individual traits and the environment. Here, elderly's subjective wellbeing will be studied for part of the quality of life, in terms of person's feeling of happiness (Zhang, 2010).

The Human Ecology Theory proposes that people come in contact with disparate situations and settings throughout lifespan and their experiences influence their behavior in varying degrees. These systems include the microsystem, the mesosystem, the exosystem, the macrosystem and the chronosystem (Sincero, 2012).

Microsystem is the milieu with which individuals experience intimate physical and social interactions. The family or workplace are the places where elderly have their most activities and interactions. These intimate and interpersonal interactions in the immediate environment are also referred as "proximal process". Mesosystem consists of the interactions among several microsystems, for example the interactions between family and workplace. An important ecological assumption is that what occurs in a person's microsystem is intertwined to and interacts with other microsystems. The exosystem is a larger setting than the mesosystem and has direct or indirect influence on individual, even without the individual's participation. For example, the welfare system and city facility have direct effects on an elderly's daily life. Macrosystem is an even larger context than exosystem, like a country's general culture and economic context. The great depression had adverse developmental outcomes for individuals who were born at that time. Lastly, the chronosystem involves the evolutions and variations in one's lifespan and also encompasses

the socio-historical contexts that may impact a person. A good example of this is how marriage separation may affect not only the relationship of the couple but also the behavior of their children (Sincero, 2012).

In Bronfenbrenner's view, proximal process is essential to the process of development since without adequate proximal process, optimal developmental outcomes will not occur (Griffore & Phenice, 2001 as cited by Zhang, 2010). A microsystem consists of a cluster of roles, undertakings, and interpersonal relations experienced by a person with a particular environment in a given face-to-face setting. Among microsystems, family is considered as the primary environment. An individual's wellbeing cannot be considered apart from the whole family's circumstances. Various roles are being carried out by a family and these include maintenance and sustenance of physiologic, psychologic and economic needs as well as nurturance for the family members (Bubolz & Sontag, 1993 as cited by Zhang, 2010). But the family does not support its members alone. Families interact with other microsystems through energy, resources and information transformation. Neighborhood and church would be the other typical microsystems for elderlies. Individuals are interacting in those settings, and these microsystems as individual's proximal environmental contexts have effects on individual's behaviors and wellbeing.

In the consideration of the effects of elderly's subjective wellbeing, considering only the primary environmental context is not enough. Individual characteristics also hold a crucial part in the process of interaction with environments. According to human ecology theory, the organism does not receive environmental influence passively.

Personal characteristics can facilitate or impede the interaction with environment by shaping and influencing proximal processes; persons who are active or very attractive tend to elicit certain types of responses from social environment (Griffore & Phenice, 2001 as cited by Zhang, 2010). The organism and environment affect each other reciprocally.

The human ecology perspective shares the symbolic interaction approach of subjective interpretation, and perception is a significant factor in viewing the interaction process. It is believed that environment should not be viewed only as the objective external conditions in which individual lives. Rather it must be understood from the individual perspective with respect to the meaning they have created based on their needs, values and goals. People have varying responses to the setting

or environment they are exposed to and this can be correlated to inherited cultural or personal beliefs (Zhang, 2010). Specifically, the objective of having a nice and safe neighborhood might attract more outside activities, but people who perceive violent or threat from the neighborhood may subjectively hold back their interactions.

Multidimensional and reciprocal causality characterize relationships and explanation in an ecosystem (Zhang, 2010). So a multidimensional model is needed to understand and illustrate individual's subjective wellbeing in the ecosystem. Individual characteristics, family attributes and social variables will be examined as the structures which are impacting on the elderly's subjective wellbeing. The factors on these three levels are presented in figure 1.

Figure 1. Theoretical/Conceptual Framework of the Study

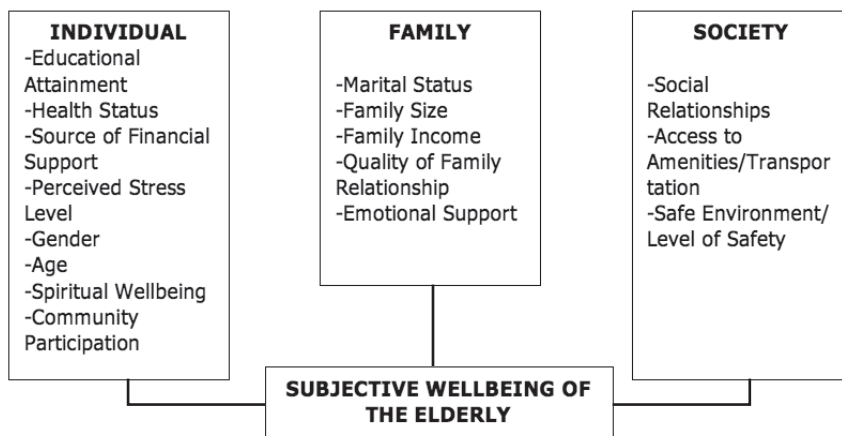


Figure one describes the factors and variables that affects and impacts the subjective wellbeing among the elderly. The factors affecting an elderly's subjective wellbeing are categorized into three. The first category is individual characteristics that include educational attainment, health

status, source of financial support, perceived stress level, gender, age, spiritual wellbeing and community participation. Family variables were also grouped as another category and it include marital status, family size, family income, quality of family relationship and emotional support. The

third category is classified as society characteristics and encompasses the elderly's social relationships, access to amenities and transportation, and safe environment/level of safety.

By knowing and understanding the factors that affect the subjective wellbeing of the elderly, nurses will be able to provide holistic care that can facilitate graceful aging among the elderly.

1.2 Statement of the Problem

This study aimed to determine the predictors of subjective wellbeing among the elderly.

Specifically, this study sought to answer the following queries:

1. What are the characteristics of the elderly in terms of:
 - 1.1 Individual
 - 1.1.1 Educational Attainment;
 - 1.1.2 Health Status;
 - 1.1.3 Source of Financial Support;
 - 1.1.4 Perceived Level of Stress;
 - 1.1.5 Gender;
 - 1.1.6 Age;
 - 1.1.7 Spiritual Wellbeing;
 - 1.1.8 Community Participation?
 - 1.2 Family
 - 1.2.1 Marital Status;
 - 1.2.2 Family Size;
 - 1.2.3 Family Income;
 - 1.2.4 Quality of Family Relationship;
 - 1.2.5 Emotional Support?
 - 1.3 Social
 - 1.3.1 Social Relationships;
 - 1.3.2 Access to Amenities/Transportation
 - 1.3.3 Safe Environment/Level of Safety
2. What is the mean level of subjective wellbeing among the elderly?

3. What are the predictive variables of subjective wellbeing among the elderly?
4. What are the prevailing diseases among the respondents?

1.3 Significance of the Study

This study on the predictors of subjective wellbeing among the elderly may prove valuable to the nursing field as this can provide evidence-based data that can help nurses in formulating age-appropriate interventions to facilitate healthy and graceful

1.4 Definition of Terms

For purposes of clarity, terms that are used in this study are herewith defined.

Access to Amenities/Transportation. A social characteristic that describes whether the elderly has access to the community's amenities and transportation.

Community Participation. The level of involvement and participation of the respondent in any organizations or activities in the community and is categorized as not involved at all, slightly involved and actively involved.

Educational Attainment. The level of education that the respondent was able to attend, whether completed or not completed, and is categorized into elementary (1st to 6th elementary grade), secondary level (1st to 4th year high school), tertiary or college level (1st to 4th year college) and postgraduate level.

Elderly. A male or female individual, aging 60 years old and above, who is currently residing in Sagbayan, Bohol.

Emotional Support. The emotional assistance provided by the respondent's family and is

categorized as substantial emotional support, emotional support with limitations, very limited and no emotional support.

Family Size. The number of family members categorized as small family with family members not more than five, and large family with family members more than five.

Health Status. State of physiologic health of the respondent characterized by presence or absence of any disease, and is categorized into: Good health (generally good physical health); Adequate health (get sick more often but the health problems do not interfere with general functioning); Fair health (have some health problems that interfere with functioning); and Significant health challenges (have significant health problems that may be chronic or life threatening).

Level of Stress. The respondent's perceived stress level based on Perceived Stress Scale scores and categorized as: Much Lower than average (0-7); Slightly Lower than average (8-11); Average (12-15); Slightly Higher than Average (16-20); and Much Higher than Average (21 and over).

Marital Status. The condition of the respondent of being single, married, divorced or widowed.

Quality of Family Relationship. This is the quality of family ties of the respondent and is categorized as adaptive, mostly adaptive, limited adaptive and significant difficulties with relationships.

Safe Environment. A type of neighborhood that is perceived by the respondent as safe and free from threat or actual physical, emotional and psychological abuse.

Social Relationships. The quality of the respondent's relationship with his immediate environment or neighborhood, and is categorized

as adaptive, mostly adaptive, limited adaptive and significant difficulties with relationships.

Source of Financial Support. The financial or monetary source of the respondent which can come from employment (including self-employed individuals), financial assistance from the family or financial assistance from the government.

Subjective Wellbeing. The level of happiness or satisfaction in life as verbalized by the respondent based on the result of the Satisfaction with Life Scale (SWLS) score which was formulated by Ed Diener (Diener et al., 1985)

1.5 Review of Related Literature and Studies

Various studies have been orchestrated to discover and examine the determinants of subjective wellbeing. A great example is the work of Diener and his colleagues who have scrutinized the determinants of subjective wellbeing for years. Accordingly, wealth, political and civil rights, social comparisons, equality, and culture traits have been researched in predicting subjective wellbeing of nations (Diener et al, 2009). Recently, George (2010) reviewed literature since 2005 for subjective wellbeing in the later life. She indicated that over fifty variables have been tested as determinants of subjective wellbeing and these include physical health, integration in the society, good social relationships and optimal social support, as well as psychosocial resources.

Among all those indicators identified in the literature, this study will review the important factors being considered in this study which include individual characteristics, family characteristics, and social characteristics.

Individual Characteristics

Research has shown that health status and

a healthy lifestyle are positively correlated with educational attainment (Michalos, 2007). However, Layard (2005) mentioned that the degree of happiness experienced by an individual is not greatly dependent on education, yet education can increase happiness by raising one's income. Molnar (2010) also concluded in his study that higher education has a further implication and considerable impact on subjective wellbeing. In another study by Ramia (2012), it was established that people with tertiary education possess disparate perceptions on what accounts for their wellbeing when compared with non-tertiary educated individuals.

Most individuals experience some decline of health condition as they enter old age. Different measures of health have been studied for subjective wellbeing. Most studies use personal assessments of health status. An analysis from the Berlin Aging study shows that self-rated health proved to be one of the formidable determinants of subjective wellbeing. Compared to the chronic illness and functional health, subjective health contributes greater to individual dissimilarities in aging satisfaction and life fulfillment (Zhang, 2010). Disabilities of health condition are more inclined to constraint physical activities and social activities, while subjective health influence individual's perception of overall wellbeing. On the other hand, people with higher levels of subjective wellbeing and life satisfaction have reported better health (Siahpush et al, 2008). Self-rated health and subjective wellbeing are highly correlated.

According to an analysis by Gehring (2012), empirical data gathered from a panel of 86 countries over the 1990 – 2005 period revealed that financial stability, legal security and property rights, access to sound money, and freedom from excessive

regulation are positively correlated with higher levels of happiness. Sacks, Stevenson and Wolfers (2010) found out in their study that wealthy and affluent individuals in a given country have higher levels of satisfaction than their poorer counterparts and they have established that this correlation is homogenous in most countries worldwide. They also found out that countries with greater GDP per capita have higher levels of life satisfaction. Pinqart and Sorensen as cited by Zhang (2010) synthesized findings from 286 empirical studies and reported that socioeconomic status elucidates an average of 2.6% of the difference of subjective wellbeing, while only an average of 3.7% of the variance of subjective wellbeing can be attributed to old age and income.

Stress is another factor that is found by researchers to influence the level of subjective wellbeing. Coyle (2010) pointed out that increased levels of uncontrollable stress were related to increased levels of negative affect. Additionally, the usage of coping strategies among individuals was linked with increased levels of positive affect and life satisfaction. Kelly and Percival (2010) stated that higher scores in the Perceived Stress Scale are associated with increased levels of stress and signify a greater tendency for stress to interfere with an individual's general health, thus increasing a person's susceptibility to compromised health and illness.

Some researches did not find gender disparities related with subjective wellbeing. However, Inglehart as cited by Zhang (2010) discovered a gender difference in subjective wellbeing. Women whose age were below 45 tended to have higher levels of happiness than men at the same age. In contrast, older women have lower levels of happiness especially in rich societies. Graham and

Chattipadhyay (2012) found out that men have lower levels of wellbeing than women, with a few exceptions in low-income countries. Trzcinski and Holst (2010) also evaluated gender dissimilarities in subjective wellbeing in and out of management posts and found out that the least satisfied were men who are unemployed, followed by men whose employment are not related to the labor market, while those reported the highest level of subjective life satisfaction are men in leadership position. While for women, no statistically significant disparities were observed among those whose employment are in high-level leadership posts, those who worked in low and mid-level positions, and those who are unemployed.

Many researchers in various specializations have analyzed the link between subjective wellbeing and age leading to the identification of three main patterns that are linear, convex and concave. A convex (U-shaped) correlation have been identified by economists between life satisfaction and age, revealing that subjective wellbeing is usually achieved between the ages of 30 and 50 (Landeghem, 2012). This observation can be attributed to a myriad of factors such as: (a) the probability that younger generation have higher expectations than their elderly counterpart which were not achieved; (b) the older generation have more realistic expectations and are more resilient owing to their experiences which have taught them to cope and adjust to changes; (c) and individuals who are happier tend to exist longer. These arguments could all lead to lower levels of subjective wellbeing during the early years of life and a gradual increase as a person ages (Blanchflower and Oswald, 2008). As opposed to the convex relationship, only a few literatures purport that a concave (inverted U-shape) relationship

exists. Mroczek and Spiro (2005) conducted a data analysis from the Veteran's Affairs Normative Ageing Study which involved only males aging 40 to 85. The results revealed a concave (inverted U-shaped) relationship between age and positive affect in which the level of subjective wellbeing increases throughout midlife and reaches it's highest level at age 65, after which it constantly declines. It was also found out in their study that subjective wellbeing declines drastically a year before death. It must be noted, however, that this trend is uniform with the convex (U-shaped) correlation that peaks at the age of 65. Age and subjective wellbeing were also noted to have a linear correlation thought it can remain constant throughout the life cycle or tilt in an upward or downward direction.

Actively religious people have reported markedly greater happiness and life satisfaction than irreligious people (Ciarrochi & Deneke, 2005). Religion in people's life has been studied in spiritual beliefs and church attendance. Seligman as cited by Zhang (2010) has argued that the increased levels of depression can be attributed to the lack of value and meaning of life, and that the search for the value of life necessitates connection to something larger than the lonely self. A study of happiness in the United States showed that 43% of weekly or frequent church goers and 26% of seldom or never church goers are "Very happy" with their lives (Pew, 2006). In a survey conducted by the National Opinion Research Center, it was found out that 40% of people who feel close attachment to God feel very happy, compared to 24% of those who do not feel close to God. However, other studies revealed that there are no significant disparities in happiness by religion. One in every three Protestants, Catholics, and Jews

have reported being very happy (Myers, 2008).

Association of subjective wellbeing with other factors such as health, and community involvement and participation has also been well researched and documented. A study conducted by English (2013) revealed the positive effect of community involvement on the level of subjective wellbeing among individuals with health difficulties. Hupert, Baylis and Keverne (2004) found out in their book that interconnectedness among members in a certain community could raise the levels of subjective wellbeing. This conclusion was based on the results of earlier investigations, which revealed that those countries whose membership densities are substantial have higher levels of subjective wellbeing.

Family Factors

Family is the fundamental unit of society. It serves both family members and society; it provides economic support and protection to vulnerable members. Dush and Amato (2005) scrutinized the correlation between relationship status, level of happiness in relationships, and a latent assessment of subjective wellbeing. Both researchers utilized the study of Marital Instability over the Life Course and found out that marriage is associated with higher levels of subjective well-being, followed (in sequence) by cohabiting partners, established and settled dating relationships, informal dating relationships, and individuals who never dated at all. In another study conducted by Shapiro and Keyes (2007), it was found out that marriage and marital history of individuals does not greatly affect the level of social wellbeing nor does it have a decisive social well-being advantage over individuals who are not married. Juxtapositions with psychological well-being assessments signify

significant disparities in the impact of marital status on individual-level wellbeing.

According to OECD Guidelines on Measuring Subjective wellbeing (2013), household size is an essential variable that should be considered in assessing subjective wellbeing. OECD purports that household size impacts the household income which in turn influences the family member's subjective wellbeing. Family structure and family economic are commonly related to family members' wellbeing and attainment. Research has emphasized the correlation between family factors and life satisfaction in childhood, adolescence and adulthood.

Recent theory also demonstrates other propositions regarding the relationship between income and subjective wellbeing. Cummins (2002) as cited by Zhang (2010) proposed that wealth increases levels of happiness as it can ensure acquisition of the individual's primary needs allowing optimal functioning that leads to higher levels subjective wellbeing. Level of income can decrease or increase with an individual's availability of living resources. Poor people with poor nutrition and limited medical care increase their possibility of illness and disability. Poor people living in a more violent neighborhood are likely to experience bullying, fear and insecurity. They are likely to have more limited life choices. All these conditions may lead to low life satisfaction with negative influence on subjective wellbeing. Therefore, income is a strong predictor of subjective wellbeing, especially for the poor population. However, in a more recent study conducted by Stevenson and Wolfers (2013), they found out that no significant data could support the assertion that subjective wellbeing is influenced by income.

Eid and Larsen (2008) mentioned in their book

"The Science of Subjective Wellbeing" that family relationships appear to be consistent correlates of subjective wellbeing and this is in fact supported by prior studies conducted by Diener and Diener which showed that satisfaction with family was related to life satisfaction across 31 nations.

Social Indicators

Clearly, social relationships are an important piece of the subjective wellbeing mosaic. Social relationships occur in many different areas of people's lives and may take many forms (Eid and Larsen, 2008). Siedlecki and colleagues (2013) used a structural equation modeling to investigate the correlation between the types of social support and subjective wellbeing among individuals aging 18 to 95. They found out that life satisfaction can be anticipated if there is social support, irrelevant if it is enacted or perceived. Positive affect was determined by family embeddedness and support availability, while negative affect was determined by perceived support. However, there was a decrease in the impact of social support variables on subjective wellbeing when personality factors were incorporated in a succeeding model. Steverink and Lindenberg (2006) also cited that the elderlies consider social relationships among the most crucial predictors of graceful aging.

Neighborhood is a very important microsystem in which people live. The neighborhood environment influences social interaction directly, which potentially effects on people's satisfaction of daily life. Neighborhoods contain two different types of environments: physical environments and social environments. Pearlin and Skaff (1996) as cited by Zhang (2010) found out that aging individuals tend to be more watchful and cautious with the type of community they dwell in as well

as the safety of their neighborhood. Living in a safe, friendly neighborhood is very important, as reported by the elderly themselves (Cantarero, Potter & Leach, 2007).

2.0 Methodology

The researcher employed the quantitative non-experimental descriptive method through a correlational study design, the intention of which is to spot, illustrate, and document certain features and facets of an occurrence as it naturally takes place and occasionally provides a basis for the inception of hypothesis or theory. Correlational research strategy involves two or more factors that are assessed, gauged and documented. The measurements are then evaluated for the presence of any trends of correlation that occurs between the variables, which in this case involve the individual, family and social characteristics and the level of subjective wellbeing among the elderly. Descriptive correlational studies can be used for making predictions (Jackson, 2009).

This study was conducted in Bohol, Philippines which is among the larger islands in the country situated in the Visayas region. The 2010 Census of Population and Housing (CPH) revealed that the province of Bohol had a population count of 1,255,128 persons as of the May 2010 population census. The number had increased by 115,998 persons compared to the 2000 CPH count of 1,139,130, with an average annual population growth rate of 0.97%. According to the Provincial Planning and Development Office, the elderlies aging 65 and above comprise 6% of Bohol's population.

Specifically, the study was conducted in the municipality of Sagbayan, Bohol. Sagbayan is one of the trade centers of people from the interior

and coastal towns of Bohol. It is comprised of 24 barangays with a land area of 9675 hectares and a population of 20091 as of 2010 (Hellingman & Hellingman, 2012). According to the 2012 masterlist of the municipality, there were 1758 elderlies residing in Sagbayan. However, a strong earthquake struck the municipality last October 2013 causing some of the people to relocate to another area. The local government unit of Sagbayan did not have the precise number of the elderlies residing in the municipality during the conduction of the study, hence the researcher utilized complete enumeration of the elderlies residing in all 24 barangays. An aggregate of 405 respondents took part in the study which comprised of 192 males and 213 females.

Complete enumeration was utilized in obtaining the respondents of this study. First, the researcher randomly selected 50% of the 24 barangays of the Municipality of Sagbayan, Bohol through a fishbowl method. Once the 12 barangays have been selected, all of the elderlies based on the barangays' list were included in the study. The inclusion criteria of the research respondents included: (1) male or female aged 60 years and above and (2) is currently residing in the Municipality of Sagbayan, Bohol.

The research instrument that was utilized in this study was a mixture of researcher-made interview guide as well as different standardized instruments specific for the variables under query. The instrument has two main parts. The first part explored the respondent characteristics and is further divided into three subparts that inquire about the individual, family and social characteristics. The questions under individual characteristics are composed of researcher-made questions on educational attainment, health

status, financial support, community involvement and participation as well as standardized questionnaires such as the Perceived Stress Scale and the Spiritual Wellbeing Scale.

The Perceived Stress Scale is a tool that measures an individual's perception of stress over the past month and determines the probability of whether the stress perceived by the individual predisposes them to health problems (Kelly et al, 2010).

The Spiritual Wellbeing Scale is a tool used to measure a person's religious and existential wellbeing. It provides a comprehensive subjective assessment of an individual's perception of the spiritual aspect of quality of life, with subscale scores for Religious Wellbeing that provides a subjective evaluation of one's relationship to God and Existential Wellbeing which provides a subjective assessment of one's sense of purpose and life satisfaction. It is a twenty-item questionnaire, with ten questions assessing religious wellbeing, and ten assessing existential wellbeing (Vries-Schot et al, 2012).

The questions under family characteristics delved into the respondent's marital status, family size, family's monthly income range, quality of family members' relationships, and emotional support provided by family members.

The items under social characteristics probed on the respondent's quality of relationships with neighbors, access to community's amenities and transportation and safety concerns in the neighborhood.

The second part of the questionnaire is the Satisfaction with Life Scale (SWLS), a standardized measure of life satisfaction and happiness which was developed by Ed Diener and colleagues. The tool is composed of 5 generic statements about life

satisfaction that are completed by the respondents. The responses for each statement are based on 1 – 7 scale wherein a scale of 1 signifies strong disagreement while a scale of 7 means strong agreement to the statement (Kobau et al, 2010).

Data gathering started after the proposal hearing and after approval to conduct the study was obtained from the panel. A formal letter seeking for permission to conduct the study was sent to the Municipal Mayor. Written consent was also secured from the respondents who can read and write while verbal consent was procured from those who cannot read nor write. The respondents were requested to answer the questions honestly and comprehensively. The researcher then collated the answers of the respondents and analyzed the results.

The data were subjected to statistical treatment to test the research hypothesis. The findings then became the basis for analysis, interpretation of results, drawing conclusions, implications and recommendations. Multiple regression analysis was utilized to test the gathered data. Multiple regression analysis is a statistical method that aids in predicting the unknown value of a variable from the known value of two or more variables – otherwise known as the predictors (Explorable.com, 2009). The dependent variables are those whose value is to be predicted while the independent variables are the ones whose known values are used for prediction.

The researcher believes in upholding the individual's right to self-determination so consent was secured from each of the respondents to make sure that they were not coerced in participating in the study. The value of privacy and confidentiality were also taken into consideration, hence, personal identity of all the respondents was left confidential

and anonymity was maintained.

Furthermore, with regards to choice, the respondents were given to autonomy to involve themselves in the study or not and were not forced by the researcher in anyway in their decisions after practicing fidelity or divulging the truth behind the relevance and the nature of the study. They were also given the choice not to continue in the study if they choose to do so at any point of the study.

In addition, confidentiality was observed by safeguarding the trust of the respondents and refraining from divulging any personal information of the respondents with anyone not involved in this study.

3.0 Results and Discussions

This chapter describes the findings of the study. In the study conducted, there were a total of 405 respondents, 47.41% of whom are males while the remaining 52.59% are females. The different attributes of the respondents which include the individual, family and social characteristics are presented in the succeeding tables.

Individual Characteristics

The table below reflects the different individual characteristics of the respondents that includes the respondents' age, educational qualifications, health status, source of financial support, perceived level of stress, spiritual wellbeing, and community involvement and or participation.

Table 1. Individual Characteristics of the Respondents

Variables	Categories	Male		Female		Total	
Age	60-65	92	47.92%	87	40.85%	179	44.20%
	66-70	41	21.25%	38	17.84%	79	19.51%
	71-75	30	15.63%	42	19.72%	72	17.78%
	76-80	16	8.33%	18	8.45%	34	8.40%
	81-85	7	3.65%	17	7.98%	24	5.93%
	86-90	5	2.60%	9	4.23%	14	3.46%
	91-95	1	0.52%	2	9.52%	3	0.74%
	<i>Total</i>	192	100%	213	100%	405	100%
Educational Qualifications	Elementary	89	46.35%	101	47.41%	190	46.91%
	High School	83	43.23%	89	41.78%	172	42.47%
	College	19	9.90%	23	10.80%	42	10.37%
	Post-Grad	1	0.52%	0	0	1	0.25%
		<i>Total</i>	192	100%	213	100%	405
Health Status	Good Health	88	45.83%	77	36.15%	165	40.74%
	Adequate	67	34.90%	83	38.97%	150	37.04%
	Fair Health	25	13.02%	31	14.55%	56	13.83%
	Significant Health Challenges	12	6.25%	22	10.33%	34	8.40%
		<i>Total</i>	192	100%	213	100%	405

Variables	Categories	Male		Female		Total	
Source of Financial Support	Employment	79	41.15%	66	30.99%	145	35.80%
	Assistance from family	70	36.46%	108	50.70%	178	43.95%
	Assistance from Government	43	22.40%	32	15.02%	75	18.52%
	None	0	0	7	3.29%	7	1.73%
		<i>Total</i>	192	100%	213	100%	405
Perceived Level of Stress	Very Low	2	1.04%	0	0	2	0.49%
	Low	8	4.17%	10	4.69%	18	4.44%
	Average	53	27.60%	40	18.78%	93	22.96%
	High	89	46.35%	87	40.85%	176	43.46%
	Very High	40	20.83%	76	35.68%	116	28.64%
		<i>Total</i>	192	100%	213	100%	405
Spiritual Well-Being	Yes	58	30.21%	104	48.83%	162	40%
	No	134	69.79%	109	51.17%	243	60%
		<i>Total</i>	192	100%	213	100%	405
Community Involvement/ Participation	Not at all	51	26.56%	66	30.99%	117	28.89%
	Slightly	108	56.25%	123	57.75%	231	57.04%
	Actively	33	17.19%	24	11.27%	57	14.07%
		<i>Total</i>	192	100%	213	100%	405

Based on the age variable, majority of the respondents both male and female belongs under the age-range of 60 to 65 years old while minority belongs to the ages 91 to 95 years old. This implies that most of the elderly residing in Sagbayan, Bohol are on their early stage of late adulthood. These numbers also coincide with the National Statistics Office latest population count by age group where there is a greater number of individuals under the age group of 60 to 69 compared to those aging 85 years old and above (Philippine Statistics Authority, 2012).

For the educational qualification, majority of the respondents were able to finish elementary and high school and only a few were able to finish college and post-graduate studies. This can be attributed to the fact that education during their formative years were not given too much importance and attention since most of the elderly were encouraged to help their families with farm and field works during their early adulthood. Their primary focus was on earning a living to survive the changing economy hence many did not pursue higher levels of education and at that time, the value of college education was also of less importance and less widespread. The result also coincided with the statement of the Organization of Economic Cooperation and Development (2011) that only a few had the privilege to acquire higher education in the early 1960's and even a vast majority of the young generation during that era were denied of upper secondary education in most countries. The Department of Social Welfare and Development (DSWD) together with the Department of Health (DOH) (2007) revealed that approximately, 42.84 percent of older persons completed only elementary education, (45.08% male and 40.60% female) while, 2.275% only had

pre-school education (2.35% male and 2.20% female); 28.35% of older persons completed high school (27% male and 28.75% female) whereas, 5.845% of older persons did not finish high school (5.97% male and 5.72% female); 10.135% of older persons were college undergraduates (9.76% male and 10.51% female); and 5.72% obtained academic degree (5.62% male and 5.82% female).

Health status was also another variable under individual characteristics. Based on the data gathered, 40.74% of the respondents are in good health which means that they are generally in good physical health; 37.04% are in adequate health which means that they acquire health problems more often but these do not impede with their activities of daily living and general functioning; 13.83% are in fair health which indicates that they have some health problems that interfere with their functioning; and 8.40% of the respondents have chronic or life threatening diseases that poses serious health challenges. This data indicates that although majority of the elderly are free from any health challenges, a few of them still encounter minor health challenges that are expected as an individual ages due to certain physiologic, psychosocial and emotional changes brought about by aging. In a study conducted by De Leon (2014), the elderlies' general self-assessment of their health status is positive. The elderly are conscious to keep themselves healthy and reported that they take care of their health by eating healthily or moderately, resting when tired, and doing regular exercises. Most of the elderlies also regularly go for physical check ups, taking vitamins and maintenance medicines, praying and doing recreational activities, hence they are mostly in good health and functioning.

For the source of financial support, a disparity

was noted between the male and female respondents as majority of the male respondents' source of financial support are through employment while the females are mostly dependent on their families for financial assistance. The difference could be attributed to the fact that most elderly males still continue to perform income-generating activities such as farming among others even at the age of 60 and beyond provided that they are still physically capable of performing such task. This difference can also be attributed to their physical health as health can affect the productivity of an individual. If we look back into the data for health status, majority of the male respondents have a better health status which allows them to perform income generating activities whereas majority of the female respondents have minor health problems which can be the reason why they are not able to perform income-generating activities. In a study by Goldstein and Ku (1993), it was found out that even if the elderlies can generate their own income through fieldworks and farming activities, they were also receiving financial assistance and support from their children.

The study also revealed that a larger number of the elderlies have high levels of perceived stress. Physiologic changes can involve decline in physical functioning and presence of diseases that interferes with activities of daily living. Also many elderlies are being left on their own as their children usually separate from them once they have their own family which can lead to loneliness and depression causing stress. Prolonged stress in the elderlies can stem from recurrent illnesses, inability to perform activities of daily living due to presence of disabilities, and the loss of a partner or a loved one. Stress among elderlies can also be attributed to other factors such as financial concerns, a shift in

the living condition, and family issues. These types of stressors can have a long lasting impact on the elderlies making it difficult for them to cope.

Spiritual wellbeing was also another variable included in the individual characteristics. Based on result, majority of the respondents both male and female claimed that they do not have spiritual well being while only 40% affirmed of attaining spiritual wellbeing. During the interview, most of the respondents conveyed that despite having strong religious beliefs, many of them did get much support from spiritual practices such as going to church regularly since most of them are living in areas far from their churches. Another factor is that they do not have the finances to go to church since the fare is a little expensive due to the distance. Furthermore, masses in the chapels in the different barangays are only held once a month and during special occasions such as fiestas. This correlated with the study conducted by Idler, Kasl, and Hays (2001) who reported that as the elderlies are nearing death, the frequency of church attendance usually declines but they reported a feeling of stability and a little increment of religious feeling that strengthens and comforts them.

For community involvement and participation, 28.89% are not involved in any community organization or activities; 57.04% are slightly involved in community organizations; and only 14.07% are actively involved in community organizations and activities. This implies that most of the elderly do not engage themselves actively in community activities which can be attributed to their declining physical capacity to perform certain tasks in the community. In a study conducted by Cachadinha, Pedro and Fialho (2011), it was found out that social participation of older persons can be hindered by aging-related physiologic restrictions

and other factors related to their social and physical setting. The presence of physical obstacles and hindrances in the elderlies' environment makes it difficult for them to perform the regular activities of living, demanding more time and effort required to have an independent life and hindering them participate in social and societal activities. The opportunities of the elderlies to socially interact with others are further limited with the absence of

shared facilities and resources that provides casual meeting spaces.

Family Characteristics

The following table shows the family characteristics of the elderly respondents. The family characteristics include marital status, family size, monthly income, quality of family relationships, and family emotional support.

Table 2. Family Characteristics of the Respondents

Variables	Categories	Male		Female		Total	
Marital Status	Single	6	3.13%	5	2.35%	11	2.72%
	Married	150	78.13%	157	73.71%	307	75.80%
	Divorced	12	6.25%	10	4.69%	22	5.43%
	Widowed	24	12.50%	41	19.25%	65	16.05%
	<i>Total</i>	192	100%	213	100%	405	100%
Family Size	1-3	29	15.10%	40	18.78%	69	17.04%
	4-6	108	56.25%	129	60.56%	237	58.52%
	7-9	54	28.13%	44	20.66%	98	24.20%
	10-11	1	0.52%	0	0	1	0.25%
	<i>Total</i>	192	100%	213	100%	405	100%
Monthly Income Range		P2,000 – P12,000		P2,000 – P12,000		Not Applicable	
Quality of Family Relationships	Adaptive	84	43.75%	82	38.50%	166	40.99%
	Mostly Adaptive	92	47.92%	98	46.01%	190	46.91%
	Limited Adaptive	8	4.17%	21	9.86%	29	7.16%
	Significant Difficulties	8	4.17%	12	5.63%	20	4.94%
	<i>Total</i>	192	100%	213	100%	405	100%
Family Emotional Support	Substantial	101	52.60%	99	46.48%	200	49.38%
	Some Limitations	51	26.56%	59	27.70%	110	27.16%
	Very Limited	34	17.71%	48	22.54%	82	20.25%
	None	6	3.13%	7	3.29%	13	3.21%
	<i>Total</i>	192	100%	213	100%	405	100%

As reflected in the table, majority of the elderly respondents are married and only a few percentage are either single, separated or widowed. This statistics concurs with the Philippine Country report presented during the 5th ASEAN

and Japan High Level Officials Meeting on Caring Societies last August 2007. As presented in the report, among the elderlies aging 60 years old and above, 60.4% were married, 30% were widowed, 5% were reported single, and 1.2% were either

divorced or separated. This value also coincides with the statistics presented by the United States Department of Health and Human Services in 2012. According to the report entitled "A profile of Older Americans:2012", the marital status of men and women aging 65 years and above are 72% and 45% respectively based from the US Census Bureau's Current Population Survey, Annual Social and Economic Supplement.

Majority of the elderlies have a family size ranging from 4 to 6 family members. The Philippines Commission on Women (2014) revealed that there was a slight downtrend of the average size of Filipino households from 5.0 persons in 2000 to 4.8 persons in 2007. In the year 1995, households headed by females had an average size of 4 persons while households headed by males had an average of 5.2 persons.

The monthly income range for both male and female respondents varies from 2,000 pesos to 12,000 pesos. This variation can be attributed to such factors as the number of family members directly contributing for the family income as well as the type of income source. The Department of Social Welfare and Development (2007) reported that 57% of the elderlies were income generating and productive workers in the year 2000. Primary sources of income generating activities in the majority (41%) of the elderlies were farming,

forestry work and fishing. The other 10% were laborers and unskilled workers. Elderlies aging 60 and above made up 13.77% of the total farmers, forestry workers or fishermen, and 6% of the total laborers and unskilled workers. In terms of class, 52.5% of the gainfully employed older persons were self-employed or were working in their own family-operated farms or businesses, while 20.65% were self-employed without any paid workers, such as in the National Capital Region. As estimated by the DSWD, in the entire elderly population in the Philippines in 2000, 31.4% fall on the low-income bracket.

As can be seen from the data, the quality of family relationships of most of the respondents is adaptive which means family members generally get along well and although there are infrequent conflicts occurring between them, these are easily resolved. This signifies that most of the elderlies have a healthy relationship with their family members leading to the acquisition of substantial emotional support from each member.

Social Characteristics

The following table reflects the social characteristics of the respondents that include the quality of relationships with neighbors, access to amenities and transportation, and neighborhood safety and concern.

Table 3. Social Characteristics of the Respondents

Variables	Categories	Male		Female		Total	
Quality of Relationships with Neighbors	Adaptive	84	43.75%	80	37.56%	164	40.49%
	Mostly Adaptive	80	41.67%	97	45.54%	177	43.70%
	Limited Adaptive	16	8.33%	27	12.68%	43	10.62%
	Significant Difficulties	12	6.25%	9	4.23%	21	5.19%
	<i>Total</i>	192	100%	213	100%	405	100%

Access to Amenities and Transportation	Yes	162	84.38%	188	88.26%	350	86.42%
	No	30	15.63%	25	11.74%	55	13.58%
	<i>Total</i>	192	100%	213	100%	405	100%
Neighborhood Safety Concern	No Safety	69	35.94%	71	33.33%	140	34.57%
	Mild Safety Concern	109	56.77%	111	52.11%	220	54.32%
	Moderate Safety Concern	13	6.77%	27	12.68%	40	9.88%
	Severe Safety Concern	1	0.52%	4	1.88%	5	1.23%
	<i>Total</i>	192	100%	213	100%	405	100%

As reflected on the table, the elderlies' relationships with their neighbors are mostly adaptive which means that they generally get along with one another, however there are occasional fights or conflicts occurring between them with a certain degree of difficulty in resolving them. This can be attributed to the fact that most elderlies have the tendency to stand by their own point of view and principles and more often than not, they do not concede to certain arguments as they believe that they know better because they are older and are better experienced in most things.

A greater portion of the respondents (40.49%) generally get along with their neighbors with easily resolved conflicts while only a few have limited adaptive relationships as well as significant difficulties with their neighbors. Results from the study conducted by Greenfield and Reyes (2014) suggests that sympathetic and reassuring relationships with neighbors can promote increased levels of wellbeing among older individuals.

Majority of the respondents have access to community amenities and transportation which means that the elderly have a greater chance of having their physiologic and social needs

addressed as they can easily travel from one place to another point of destination should they need certain services. Presence and accessibility of transportation enables the elderlies to reach places with comfort and allows them to socialize and participate in social activities (Cachadinha et. al, 2011).

With regards to neighborhood safety concern, majority of the respondents have mild safety concerns which could indicate that their immediate neighborhood predisposes them to some probability of neglect or exposure to unpleasant influences but without the presence of immediate risk. This can be attributed to increasing incidents of robbery in the town of Sagbayan and in the province of Bohol in general. It must be noted that safe neighborhood encourages older people to have confidence in and use the neighborhood facilities which leads to increased level of health, wellbeing and empowerment of the elderly (Cachadinha et. al, 2011)

Life Subjective Well being

The following table shows the subjective wellbeing of the elderly based on the Satisfaction With Life Scale.

Table 4. Subjective Wellbeing of the Respondents

Variables	Categories	Male		Female		Total	
Satisfaction with Life	Extremely Dissatisfied	1	0.52%	1	0.47%	2	0.49%
	Dissatisfied	9	4.69%	15	7.04%	24	5.93%
	Slightly Below Average	50	26.04%	51	23.94%	101	24.94%
	Average Life Satisfaction	88	45.83%	94	44.13%	182	44.94%
	High Score Life Satisfaction	40	20.83%	48	22.54%	88	21.73%
	Very Satisfied	4	2.08%	4	1.88%	8	1.98%
	<i>Total</i>		192	100%	213	100%	405

Based on the gathered data, 44.94% of the respondents both male and female claimed that they have average life satisfaction which imply that these elderlies are mostly satisfied with most areas of their lives but see the need for improvement in each area. Individuals with average life satisfaction would usually make some life changes to advance to a higher level (Diener, 2006).

On the other hand, 24.94% of the respondents stated that their life satisfaction is slightly below average. This signifies that there are certain aspects in there lives having significant concerns or problems even though some areas are doing just fine.

The elderlies who scored high in the Life Satisfaction Scale comprise 21.73% of the population. This indicates that these elderlies are happy and satisfied with their lives and feel and perceive that things are going the way they want it to be. These elderlies are enjoying life and are mostly fulfilled with the personal, emotional, and social aspects of their lives.

Another 5.93% declared that they are significantly discontented with their lives. This signifies that these many aspects of elderlies' life are not going very well and that major life changes

are necessary. These elderlies are oftentimes unable to perform their functions properly since their discontent serves as an interference of their daily life.

The elderlies who reported very high satisfaction with their lives make up 1.98%. These elderlies are very well contented and satisfied with their lives even though they still consider life as imperfect. These elderlies feel that things are about as good as lives get. For elderlies who are very satisfied, life is very enjoyable, and the major domains of life involving personal, emotional and social aspects are going very well.

Only 0.49% of the respondents claimed that they are extremely dissatisfied and unhappy with their current life. This could be attributed to certain negative experiences including loss of a loved one or family member, unemployment, debilitation due to illness, decline of physical functioning or the presence of a chronic problem that is life threatening.

The table below reflects the mean for each item of the Satisfaction with Life Scale.

Table 5. Weighted Mean for Satisfaction With Life Scale

Items	Mean	Descriptive Rating
1. In most ways, my life is close to my ideal.	4.04	Average
2. The conditions of my life are excellent.	3.86	Slightly Below Average
3. I am satisfied with life.	4.41	Average
4. So far, I have gotten the important things I want in life.	4.28	Average
5. If I could live my life over, I would change almost nothing.	4.58	Average
Weighted Mean	4.23	Average
Average SWLS Score	21.18	Average

<u>Weighted Mean</u>	<u>SWLS Scoring System</u>	<u>Descriptive Rating</u>
6:01-7:00 =	30-35 =	Very High (Highly satisfied)
5:01-6:00 =	25-29 =	High
4:01-5:00 =	20-24 =	Average
3:01-4:00 =	15-19 =	Slightly Below Average in Life Satisfaction
2:01-3:00 =	10-14 =	Dissatisfied
1:00-2:00 =	05-09 =	Extremely Dissatisfied

Based on the data presented, the respondents have an average SWLS score of 21.18 and a weighted mean of 4.23 which falls under average life satisfaction based on the SWLS scoring system. This means that the general elderly population in Sagbayan is generally satisfied with the different domains of their lives, but has some areas where they very much would like some improvement. In a study conducted by Britiller et. al. (2013), it was

found out that adults in retirement age are satisfied with their life when they can control things which are important to them and can continue to set new professional goals for themselves.

Predictors

The following tables provide the summary of results of the statistical treatment of the dependent variable and predictors. Results were obtained utilizing multiple regression.

Table 6. Predictors of Social Wellbeing

Model		Coefficients ^a					Collinearity	
		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Statistics	
		B	Std. Error	Beta			Tolerance	VIF
(Constant)	20.568	2.283		9.007	.000			
Gender	-1.003	.280	-.105	-3.589	.102	.671	1.490	
Age	-.100	.027	-.155	-3.753	.000	.334	2.990	
EducQ	-.731	.401	-.103	-1.826	.069	.180	5.557	
HealthStatus	.728	.335	.142	2.171	.031	.134	7.484	
FinancialSupport	.067	.391	.011	.170	.865	.144	6.944	
StressScale	2.312	.273	.415	8.458	.000	.238	4.207	
Spiritual	.245	.451	.025	.543	.588	.268	3.728	
CommunityPart	1.383	.426	.185	3.246	.001	.177	5.660	
MaritalStatus	-.026	.238	-.005	-1.108	.914	.314	3.183	
FamilySize	.020	.067	.008	.295	.769	.875	1.143	
Income	.000	.000	-.131	-3.865	.000	.496	2.016	
FamRela	.024	.479	.004	.050	.960	.092	10.889	
EmotionalSup	.367	.350	.067	1.049	.295	.138	7.249	
RelNeighbors	.430	.395	.074	1.089	.277	.123	8.137	
Amenities	-1.043	.620	-.075	-1.682	.093	.290	3.449	
Safety	1.371	.454	.191	3.021	.003	.143	6.998	

a. Dependent Variable: ScoreWellBeing

As reflected on the table above, the significant predictors of subjective wellbeing include age, health status, perceived stress, community participation, family income, and neighborhood safety. Based on the result, factors such as gender, educational attainment, financial support, spiritual wellbeing, marital status, family size, emotional support, relationship with neighbors, and access to transportation and amenities are not significant in predicting the subjective wellbeing of the elderly. In the last column, variance inflation factors (VIF) are illustrated. This measures how much variance of the estimated regression coefficients are inflated as compared to when the predictor variables are not linearly related. For VIF equals to 1, it means that the variables are not correlated; if its > 1 to $<$

5, moderate correlation while high correlation is noted if VIF is between 5-10.

Aging individuals tend to achieve a certain level of maturity and security on the different domains or aspects of their lives as they grow older and this partly contributes to subjective wellbeing. Older individuals have also mastered their strengths and weaknesses enabling them cope very well in various situations. Elderlies have more realistic expectations and are more contented hence they have higher levels of subjective wellbeing. According to Diener and colleagues (1999) as cited by Throop (2011), subjective wellbeing increases with age peaking after retirement in the 70s decade. In longitudinal and cross-sectional studies old age is correlated with lower levels of negative

affect and stable levels of positive affect (Charles & Carstensen, 2010). One explanation for the age differences was proposed by discrepancy theorists (George, 2010). Discrepancy theory states that life satisfaction is maximized when the discrepancy between one's goals and achievements is minimized. This discrepancy is much lower in older adults; however it is unknown if the lower levels of discrepancy are due to having achieved more or more realistic expectations among older adults.

Another explanation of the processes underlying the general increase in subjective wellbeing among older adults is that social comparison plays a role (George, 2010). According to this approach, we make judgments about our lives by comparing our status with others around us. Because the social stereotype of older adults is that they are likely to have poor health and become widowed, an older adult in relatively good health with a living spouse may judge themselves to have attained an increased level of subjective wellbeing when thinking about this social image and the lives of some of their less-healthy peers.

Health status can also affect subjective wellbeing in various ways most especially in the elderlies' level of functioning. When the elderlies' health status is not compromised, they can perform activities of daily living on their own without dependence and assistance, and they can also fulfill their roles in the family and the community leading to improved levels of wellbeing.

Health plays a large role in determining life satisfaction. There are multiple ways to measure health; however, most objective measures of health, such as a physician's observations and diagnoses, are not as strongly correlated with wellbeing as more subjective measures, such as a self-report of overall health status (Diener

et al., 1999). This may be because objective measures of health are standardized and do not take the individual or the age of the individual into consideration. Some individuals are more impacted at different ages by certain conditions than others, and different illnesses cause different amounts of discomfort (e.g. pain) and disruption to daily life. Furthermore, a 95-year-old woman who develops a chronic illness may still feel that she is in good health because she sees herself as in good health relative to others her age. But if a 50-year-old woman developed the same illness she may feel that her health is very poor because most of her peers have few illnesses or physical limitations.

The number of older adults with functional limitations is increasing, and they are living longer (Greenfield & Marks, 2007). There are many physiological functions that deteriorate with age. On average as people age they cannot metabolize carbohydrates as well as younger people, they have less bone density, their level of cognitive functionality decreases, and it becomes more difficult for them to perform daily tasks (Rowe & Kahn, 1987). This is what Rowe and Kahn (1987) refer to as usual aging. In contrast, they defined successful aging as being characterized by a below average level of physiological deterioration and above average levels of autonomy and functionality. A person who is aging successfully will be at a low risk for disease, will have a high level of mobility and cognitive function, and will be engaged with life. Also, older adults who have fewer functional limitations and feel more in control of their lives score higher on measures of life satisfaction (Rowe & Kahn, 1987).

Mollaoglu, Tuncay, and Fertelli (2010) found that self-rated health was a crucial determinant of life satisfaction among older adults. A reduction in

life satisfaction among elderlies is also attributable to self-rated health (Gwozdz & Sousa-Poza, 2009). Self-reported health is important to look at because the way people perceive their health is more important in determining their subjective wellbeing than their actual health. It also enables researchers to account for individual disparities in the impact of chronic illnesses and functional limitations.

Stress can also affect the subjective wellbeing of the elderly. High levels of stress are directly linked to reduced levels of wellbeing. This is because higher levels of stress increase the likelihood of interference in the elderlies' general health thus increasing the susceptibility to compromised health and illness leading to inability to function well.

Social relationships and social participation can have a positive effect on subjective wellbeing. Elderlies who are actively participating in the community also have higher levels of subjective wellbeing. This can be attributed to the fact that older individuals who involve themselves in community activities feel more connected with each other. For example, Greenfield and Marks (2007) found that middle-aged and older men who are active, willing participants in some form of a group with a strong social component are less

likely to have increased levels of depression after developing functional limitations; however, this finding does not hold true for women. Adequate amount of social support are also correlated with a lower risk of mortality (Rowe & Kahn, 1987).

Another predictor that has a significant impact on subjective wellbeing is family income. Elderlies who can afford better services, and buy ample amount of food as well as other basic needs tend to be happier than those who have financial restrictions. According to various studies, there is a significant positive correlation between income and subjective wellbeing across countries over time (Deaton, 2008; Stevenson and Wolfers, 2008; Sacks, Stevenson and Wolfers, 2012).

Lastly, neighborhood safety is also once important predictor of subjective wellbeing as it influences the elderlies feeling of security and sense of freedom from danger. Security is a crucial factor for subjective wellbeing. This has been shown in various studies exploring the link between experience of abuse and maltreatment and subjective wellbeing at the individual level as well as self-rated perceptions of safety. For instance, a certain study revealed that individuals dwelling in an unsafe or deprived area have lower levels of life satisfaction, after controlling other variables such as income (Dolan, Peasgood and White, 2008).

Table 7. Model Summary

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics					Durbin-Watson
					R Square Change	F Change	df1	df2	Sig. F Change	
1	.882 ^a	.778	.769	2.30118	.778	85.144	16	388	.000	1.745

a. Predictors: (Constant), Safety, Age, Gender, FamilySize, Income, Amenities, Spiritual, MaritalStatus,

StressScale, FinancialSupport, EducQ, CommunityPart, EmotionalSup, RelNeighbors, HealthStatus, FamRela

b. Dependent Variable: ScoreWellBeing

This implies that the identified factors such as age, health status, perceived stress, community participation, family income, and neighborhood safety had 77.80% influence on the elderly's subjective wellbeing. Furthermore, this signifies that 22.20% can be explained by other factors other than the ones included in the study such as leisure and recreation, exercise, cultural affiliation, fulfillment in one's job, personality and events affecting an individual's life.

Diseases and Occurrence

The table below reflects the most common diseases experienced by the elderly as per

occurrence based on the survey conducted. As can be seen in the table, the most prevalent diseases affecting the respondents are upper respiratory tract infection, hypertension, generalized muscle pains, arthritis, visual problems, asthma, stroke, migraine headache, diabetes mellitus, and gastric ulcer. These findings coincide with the Department of Health's ten leading causes of morbidity which include acute respiratory infection, acute lower respiratory tract infection and pneumonia, bronchitis/bronchiolitis, hypertension, acute watery diarrhea, influenza, urinary tract infection, respiratory tuberculosis, injuries and diseases of the heart (Ballescas, 2014).

Table 8. Prevalent Diseases

Rank	Disease	Prevalence
1	Upper Respiratory Tract Infection	46
2	Hypertension	35
3	Generalized Muscle Pains	25
4	Arthritis	24
5	Visual Problems/Disturbances	21
6	Asthma	8
7	Stroke	8
8	Headache/Migraine	8
9	Diabetes Mellitus	8
10	Gastric Ulcer and Hyperacidity	6
11	Cardiomyopathies and Heart Disease	4
12	Paralysis	3
13	Hemorrhoids	3
14	Stress	2
15	Lung Cancer	2
16	Anxiety Attacks	1
17	Kidney Problem	1
18	Scoliosis	1
19	Tuberculosis	1
20	Hearing Problems	1

Cho and colleagues (2011) asserted that physiologic health status is the most commonly used index to evaluate the well being of individuals. The significance of physical health as a factor influencing wellbeing has been documented in a number of studies such as those conducted by Revicki and Mitchell as cited by Cho et al (2011), which revealed that physical health concerns were the most significant cause of life strain among elderlies, and that physical health status was highly determinant of life satisfaction and psychological distress among elderly individuals residing in rural areas. Physiologic limitations resulting from recurrent illnesses and inability to perform activities of daily living resulted to reports of psychosomatic and emotional distress symptoms. Cho (2011) also cited the work of Bishop and colleagues who found out that poor health was an important component correlated with lower levels of morale among elderly individuals.

A research conducted by Kendig, Browning and Young (2000) revealed that physical illness and pain greatly impact an individual's wellbeing as they cause activity limitations and dependency when it comes to activities of daily living. In another study conducted by Steptoe and colleagues (2014), it was found out that physical illness could be a determinant to impaired subjective wellbeing. Many individuals show increases in depressive symptoms after diagnoses of diabetes, coronary heart disease, stroke, some cancers, and chronic kidney disease. Furthermore, on another study conducted by Throop (2011), it was found out that functional limitations caused by different illnesses during old age is linked with reduced levels of subjective wellbeing.

4.0 Conclusion

The subjective wellbeing of elderlies is influenced by various factors that are generally categorized under individual, familial and social characteristics. Specific factors under each category affect subjective wellbeing directly or indirectly, increasing or decreasing the elderlies' level of happiness. It was found out in the study that the mean level of subjective wellbeing among the elderly falls under the average level of life satisfaction which means that the elderlies are generally satisfied with the different aspects of their lives but there are certain domains that they would very much like to improve. The study also revealed that the significant predictive variables for the elderlies' subjective wellbeing include age, health status, perceived stress, community participation, family income, and neighborhood safety. Hence, there is a significant relationship between age, health status, perceived stress, community participation, family income, and neighborhood safety and the subjective wellbeing of the elderly. Furthermore, it was found out in the study that the most common medical conditions or diseases affecting the subjecting wellbeing of the respondents are upper respiratory tract infection, generalized muscle pains, arthritis, and visual problems or disturbances.

5.0 Recommendations

From the conclusions made, the researcher recommends the following:

1. Programs and policies should be developed by responsible agencies such as OSCA to maximize and enhance the significant factors identified in this study to further improve the subjective wellbeing of the elderly.

2. Further research should be conducted to determine what other factors influence the subjective wellbeing of the elderly.
3. Review of the LGU development plans with respect to the national and international standards on elderly welfare and how these standards are translated in the local level.
4. The Department of Health should develop an action plan on the prevention of common diseases affecting the elderly so as to maintain their health status and thus enhance their subjective wellbeing.

The above recommendation should be part of the larger initiative to integrate concerns related to healthy aging in the Local Government Unit and national development plans and programs.

6.0 References

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