

# Navy Personnel Research and Development Center

San Diego, California 92152-7250    TN-96-17    February 1996



## Quality of Life for Marines at Camp Lejeune

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19960301 087

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at Camp Lejeune**

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Navy Personnel Research and Development Center  
San Diego, CA 92152-7250

# REPORT DOCUMENTATION PAGE

*Form Approved*  
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.

1. AGENCY USE ONLY ( <i>Leave blank</i> )		2. REPORT DATE January 1996		3. REPORT TYPE AND DATE COVERED Final--1993	
4. TITLE AND SUBTITLE Quality of Life for Marines at Camp Lejeune			5. FUNDING NUMBERS Program Element: 0602131M Project: CP31P14		
6. AUTHOR(S) Herbert George Baker, David W. Robertson, Leif Christiansen					
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Navy Personnel Research and Development Center 53335 Ryne Road San Diego, CA 92152-7250			8. PERFORMING ORGANIZATION REPORT NUMBER NPRDC-TN-96-		
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)			10. SPONSORING/MONITORING AGENCY REPORT NUMBER		
11. SUPPLEMENTARY NOTES Functional Area: Organizational Systems Product Line: Organizational Systems Evaluation Product Line: Quality of Life					
12a. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution is unlimited.			12b. DISTRIBUTION CODE A		
13. ABSTRACT ( <i>Maximum 200 words</i> ) A comprehensive assessment of Quality of Life (QOL) in the Marine Corps, using a life domain framework, in which were included the domains of residence, neighborhood, leisure and recreation, health, friends and friendships, marriage/intimate relationship, relations with children, relations with other relatives, income/standard of living, job, and self, was conducted in 1993. This report focuses on data for Camp Lejeune only. Global quality of life was shown to have significant effects on organizational outcomes. Junior enlisted personnel were more negative on all measures of global QOL. Detailed discussions of each life domain are included.					
14. SUBJECT TERMS Quality of life, surveys, military research				15. NUMBER OF PAGES 143	
				16. PRICE CODE	
17. SECURITY CLASSIFICATION OF REPORT UNCLASSIFIED	18. SECURITY CLASSIFICATION OF THIS PAGE UNCLASSIFIED	19. SECURITY CLASSIFICATION OF ABSTRACT UNCLASSIFIED	20. LIMITATION OF ABSTRACT UNLIMITED		

## Foreword

The research reported herein was funded by the Marine Corps Systems Command (Code AWT) under Program Element 0602131M, Project CP31P14, Task 1. The objective of the work was to conduct a baseline assessment of Quality of Life (QOL) in the Marine Corps. Results of the Marine Corps-wide assessment have been reported in NPRDC-TR-95-4 *Quality of Life in the U. S. Marine Corps*. This report, and its accompanying volume (NPRDC-TR-96-XX *Statistical Tables for the Marine Corps Quality of Life Survey, Camp Lejeune*), amplify that basic document, focusing on QOL assessments for Camp Lejeune. Questions regarding the material in this report should be directed to Dr. Herbert Baker, Organizational Assessment and Development Division (619-553-7639; DSN 553-7639).

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## Executive Summary

The military services are increasingly concerned with the quality of life of their members. This concern stems largely from a basic desire of military leaders to care for those in their charge, a concern for the well being of those who may be called upon at any time to place their lives in jeopardy in the defense of their country.

Such concern is exacerbated by substantive social and economic changes which have taken place in recent years. The emergence of the all-volunteer force, coupled with a decline in the population of eligible recruits, force the armed services into intense competition not only among themselves, but also with industry and academia. In addition, today's youth tend to be better educated as well as better informed of their vocational and career options. The rise of consumerism and the elevation of expectations regarding life's necessities and personal entitlements also focus attention on QOL. Finally, sophisticated, technologically advanced equipment and weaponry demand highly skilled operators, even as the uncertainties and ambiguities of late-20th Century daily life demand motivated and dedicated organizational members.

The concern for Quality of Life, thus, is impelled both by the Marine tradition of "caring for our own," and the ever-present need for competent, highly motivated, personnel, always in a high state of readiness. The result: immense investments of fiscal, personnel, and temporal resources in support of enhanced QOL.

*Quality of Life in the U. S. Marine Corps* (Kerce, 1995) is the master report wherein the results of the Marine Corps-wide QOL assessment are reported. The present report amplifies results of the Marine Corps-wide QOL assessment, focusing on data from Camp Lejeune only.

### Approach

The Marine Corps-wide QOL study produced data collected from a worldwide, representative sample of Marines (excluding only E-1s) who had been randomly selected to receive the QOL survey (refer to Kerce, 1995). Data for use in these site-specific analyses were extracted from that database. Analyses were performed using the Statistical Package for the Social Sciences (SPSS-X).

A total of 1,462 questionnaires were distributed to Marines stationed at Camp Lejeune. One thousand one hundred twenty-seven (1,127) completed questionnaires were received by the cutoff date and usable in the database, for an effective response rate of 77.1 percent. (For details, refer to Kerce, 1995:29-30.)

### Sample Characteristics

More than nine out of ten respondents (95.2%) were male, versus 4.8 percent female. Almost six out of ten respondents (59.4%) were in the 21-25 (47.9%) and 26-30 (11.5%) age categories. The overwhelming majority (95.2%) of the sample were 35 years of age or less, and the average age was 24.5 years. With respect to racial characteristics, 70.7 percent were White, 17.0 percent Black, 9.9 percent were Asian or Pacific Islander, and 2.4 percent were Native American or Aleut (10.0 percent claimed Hispanic descent).

Only three percent (3.2%) of the Marines in this sample had below a high school graduate education. One third (32.5%) had at least some college. Of the respondents in the sample, 46.5 percent were married, 47.6 percent had never been married, and 5.9 percent were separated or divorced. More than half (55.1%) of the Camp Lejeune Marines responding to the survey had no dependents, 3.8% were accompanied by some of their dependents, 32.7% by all of their dependents. Four percent (4.3%) were temporarily unaccompanied, 3.4 percent were permanently unaccompanied by choice, 0.7 percent as a billet requirement. There were 202 respondents who were married geographical bachelors, the most common reasons being personal preference and cost of living.

Fewer than one-third (27.9%) of those surveyed said they had dependent children living with them; 9.4 percent had dependent children living elsewhere. Few (8.8%) of the responding Marines had a military spouse. With respect to spousal employment other than by the military, 6.4 percent said their spouses were self-employed at home, 17.7 percent had spouses holding part-time civilian jobs, and spouses of 24.1 percent were full-time civilian workers. Twenty-two percent (22.3%) had spouses who were unemployed by choice, 20.6 percent had spouses who were unemployed but looking for work.

As would be expected, the largest grouping was in the E-2--E-3 category at 48.2 percent, followed by the E-4--E-5s, at 30.9 percent. Four percent (4.1%) of the total sample were O-1--O-3, 1.6 percent O-4 or higher. Length of time in current paygrade ranged from 0 to 144 months, with an average of 19.1 months. Average length of service was 5.0 years, with a range of from 0 to 28 years. Approximately four out of ten (44.4%) had less than three years tenure in the Marine Corps. Zero to 92 months was the range for time at present assignment, with an average of 16.8 months. One-half of those responding (50.8%) had been on their present assignment 13 months or less. Eighteen persons (1.6%) said they were deployed at the time of the survey. A wide array of Marine Corps Military Occupational Specialties (MOS) was included in the sample, with clusters of respondents in particular MOSs relevant to ground combat.

## **Findings**

In the Marine Corps Quality of Life Survey, information was elicited from respondents with respect to 11 "domains": residence, neighborhood, leisure and recreation, health, friends and friendships, marriage/intimate relationship, relationships with one's children, relationships with other relatives, income and standard of living, job, and self. Information varies by domain. However, affective assessments, cognitive assessments, objective descriptions, and salience indications are included for each domain.

Also included in the report are analyses with respect to global quality of life, and the relationship between quality of life and organizational outcomes (readiness, retention, and performance).

## **Summary of the Residence Domain**

For the Marines at Camp Lejeune, type of housing was found to be a powerful determinant of affective evaluation of the residence and of satisfaction with residence overall. Those living in BOQ/BEQ have the least control over many aspects of their living quarters, and they tended to be

much less satisfied with their residence than were those living in military housing; civilian housing residents, whether they owned or rented, were most satisfied of all. Bachelor quarters residents also tended to compare their current housing less favorably with childhood home, but about equally with military housing residents on the kind of housing they might be enjoying if they were not in the Marine Corps. Other than with cost, bachelor quarters residents were least satisfied on all factors of residence. After all, their comparison, at best, is between their room (or shared suite) and an actual apartment or a house. Not unexpectedly, their lowest satisfaction was with privacy and space, the highest, such as it was, with cost and location.

Marines living in military housing were more satisfied with their residences than were bachelor quarters residents. Members of this subgroup (military housing) were most satisfied with location and cost, least with space and privacy.

Marines living in civilian housing were most satisfied with the space and privacy of their residences. Lowest satisfaction for this subgroup was with cost.

In general, there were no high levels of satisfaction with housing in the Camp Lejeune sample. On the seven-point scale of overall satisfaction (seven being high), the top indicator was found to be 5.2; for a facet satisfaction (again with a seven-point scale) the top was 5.5 (satisfaction with the location of the residence). Both highpoints of satisfaction were found among the residents of civilian housing.

### **Summary of the Neighborhood Domain**

Overall satisfaction with neighborhood among Camp Lejeune Marines was not all that positive, with a mean (4.8) approaching the "somewhat satisfied" range. As would be expected, assessments of the neighborhood domain were influenced by type of housing. Again, BOQ/BEQ residents were the least positive in their assessments in almost every case. As was true in the case of residence, satisfaction tends to increase with rank group, and married Marines tend to be more satisfied than those never having been married.

Satisfaction ratings were low (in tenth place) for sense of community among all three housing subgroups; also ranking low in satisfaction for civilian community residents were transportation and commuting time to work. Marines living in BOQ/BEQ rated time to work and safety highest in facet satisfaction; for military housing residents, top satisfiers were time to work and racial mix. Top satisfiers for Marines living out in the civilian community were parking and public services.

Respondents comparing their current neighborhoods to those they might be living in were they not in the Marine Corps were fairly positive. By subgroup, BOQ/BEQ residents were actually highest on this measure. Substantial numbers of Marines in all three types of housing rated their current neighborhoods as worse than those neighborhoods in which they grew up. Comparing current neighborhood with those of their peers, civilian housing residents gave the most favorable rating, BOQ/BEQ residents the least favorable; however, with respect to all three housing types, the most common response choice was that their neighborhood and those of their peers were about equal.

Results of a series of multiple regression procedures showed that, for BOQ/BEQ residents, appearance was the strongest predictor of overall satisfaction; for Marines living in civilian housing, the top predictor was safety, and for military housing residents, it was condition of other dwellings. In turn, regardless of housing type, overall satisfaction was the most powerful predictor of positive feelings about the neighborhood.

### **Summary of the Leisure and Recreation Domain**

Responses to the questions in this section of the survey show that the Marines at Camp Lejeune tended to feel fairly positively about their leisure. Positive feelings increased with rank, and Whites and Hispanics were more positive than were Blacks or Others. Overall satisfaction with leisure and recreation was close to neutral, neither satisfied nor dissatisfied. With only a few exceptions (e.g., dining out, movies) personal interest and preference account more for non-participation than any other reason. Not surprisingly, single Marines frequent the bars and clubs more than their married counterparts. For most of the women and men in the sample, current leisure compares very favorably with potential leisure as civilians, but not too with the leisure they might be enjoying if stationed elsewhere in the Marine Corps.

### **Summary of the Health Domain**

Few of the Marines at Camp Lejeune (11.3%) reported feeling negative about the state of their health. In fact, three out of four (76.9%) said they were "pleased" to "delighted" about their health. There were no subgroup differences for gender or race. However, senior enlisted were more positive about health than junior enlisted, junior officers were more positive than senior; and, married were most positive, never married least, and formerly married in the middle. As would be expected, non-smokers and higher performers on the PFT tended to feel better about their state of health.

Mean overall satisfaction with health was 5.30, with 75.3 percent expressing some degree of satisfaction with their health. As with the affective measure, non-smokers, high scorers on the PFT, and higher ranked individuals scored higher as well on the cognitive evaluation, i.e., overall satisfaction with health. Endurance and energy level were most highly correlated with overall satisfaction.

Mean satisfaction with both medical care (4.54) and dental care (4.58) was moderate. There was no relationship between driving time to nearest military medical facility and overall satisfaction with health.

In this sample of Camp Lejeune Marines, almost four out of ten (38.5%) carried CHAMPUS supplemental insurance. For dependent health care, military medical facilities were used most often, followed by CHAMPUS. Highest satisfaction for medical care went to private fee for service and military medical facilities, whereas for dependent dental care, it was private fee for service and group fee for service. No relationship was found between overall satisfaction and source of treatment received by dependents. Respondents expressed somewhat less satisfaction with medical and dental care for their dependents than for themselves.

The best predictor of overall satisfaction with health was satisfaction with endurance. Best predicting positive affective evaluation of personal health was overall satisfaction with personal health.

### **Summary of the Friends and Friendships Domain**

Almost three out of four of these Camp Lejeune Marines (69.4%) felt positive about their friendships. An even higher percentage (72.7%) expressed overall satisfaction with this area of their lives. Support and encouragement received from friends most closely correlated with overall satisfaction, and, of the four facet satisfactions, that one received the highest mean satisfaction score.

Half (54.3%) of those in the sample had for their closest friends civilians in the local area and fellow Marines at Camp Lejeune, and 77.4 percent of the respondents had friends in the local area with whom they could discuss personal matters, usually at their own or their friend's residence. Most felt that making friends as a Marine and as a civilian had about equal difficulty or that it was easier as a Marine. Half said they had about as many friends as did other Marines.

This domain showed moderate salience. The four facet satisfactions were the best predictors of overall satisfaction, and overall satisfaction was the best predictor of positive feelings about friends and friendships.

### **Summary of the Marriage and Intimate Relationships Domain**

Principal subgroups used for the analyses in this domain were married, involved in an intimate relationship, and uninvolved. The uninvolved made up 31.7 percent of the sample. They were mostly young, junior enlisted and officer personnel, the majority of whom had never been married.

More than half the respondents felt positive about their relationship, whereas about one in four felt unhappy with their relationship situation. Younger Marines were lowest in affective assessment. Race and gender failed to account for any significant subgroup differences. Married Marines felt better about relationships than did those not having a relationship. Length of time in the relationship seemed to make little difference in feelings about the relationship.

With respect to overall satisfaction in this domain, eight out of ten chose responses on the positive end of the scale. The facet satisfaction most closely correlated with overall satisfaction was satisfaction with the love and understanding received.

### **Summary of the Relationships with Children Domain**

More than half the respondents (55.7%) indicated they were "pleased" or "mostly pleased" about their relationships with their children who were living with them. An even higher percentage (71.5%) indicated they were "pleased" with their relationships with the children who were not living with them.

Approximately three out of four (75.7%) said they were somewhat to completely satisfied in this domain. Of the several facet satisfactions, satisfaction with quality of time spent with children was most closely linked to overall satisfaction. Least correlated with overall satisfaction was

activities available for the children. Many of the respondents, both married (46.2%) and single parents (74.6%) expressed some degree of dissatisfaction with the amount of time they spent with their children, and both single (85.2%) and married (78.7%) parents thought they would be able to spend more time with their children if they were civilians.

Overall satisfaction with the schools their children were attending was moderate. Those utilizing DoD schools showed the highest satisfaction, followed by those using public schools.

Married parents most often indicated that it was their spouse who cared for the children day to day, and who would also be providing care during long-term absences such as deployments. The responses in both areas by single parents showed much more variation, and single parents were less confident of the care their children were and would be receiving.

Six out of ten respondents (66.1%) thought their relationships with their children would be better if they were civilians. Comparing their own situation with that of other Marines, 44.8 percent felt the two were about equal.

Feelings about this domain (the D-T scale) cannot be predicted very well by the variables provided by this section of the survey. Somewhat better prediction is possible in the case of overall satisfaction with this domain (the cognitive evaluation).

### **Summary of the Relationships with Other Relatives Domain**

Most of these Camp Lejeune Marines provided positive assessments--both affective and cognitive--of this domain. Few subgroup differences were found with respect to either of these overall assessments.

Relatives' respect for the respondent's independence, and relatives' support for the respondent's military career were the facet satisfactions most highly correlated with overall satisfaction.

Six out of ten felt that relationships with their relatives would be better if they were not in the Marine Corps. Younger Marines, junior enlisted and officer, and those whose relatives were farthest away tended to feel this way more than their older, higher ranking contemporaries, or those with relatives in the nearby area.

Relatively high salience was found for this domain. However, salience, that is, thinking often of relatives, showed no significant correlation with feelings about this domain and only a very weak inverse one with overall domain satisfaction.

### **Summary of the Income and Standard of Living Domain**

Contentment with income and standard of living was rather low. Both affective and cognitive evaluations had mean scores below the midpoint (4.0) of their respective scales, 3.82 and 3.66, respectively. As would be expected, feelings about income and standard of living vary with rank and age, and positive evaluation increased linearly with both age and rank. Women were more positive than men on the affective evaluation. Cognitive evaluation differences by subgroup were very similar.

Only 5.1 percent of those sampled were holding second jobs, with another 15.1 percent actively searching for one. Spouses contributed to the family's income in 28.0 percent of the cases.

Most closely correlated with overall domain satisfaction was satisfaction with money available for extras. Income and standard of living showed very high salience. Both the commissary and the exchange helped seven out of ten of the Marines, although neither received an exceptionally strong endorsement. Adverse financial events had occurred for 15.3 percent of the respondents.

In social comparisons, 54.8 percent thought they were better off financially than they would be as civilians, and 48.3 percent felt they were about as well off as their Marine peers.

### **Summary of the Marine Corps Job Domain**

Neither affective nor cognitive evaluation of the work domain was very positive, with mean scores for both evaluations hovering about the midpoint of their respective scales. Married personnel were the most positive about their Marine Corps jobs, and both affective and cognitive evaluations became more positive with increasing age of the respondents. Neither race nor gender accounted for significant differences. Feelings about job and overall satisfaction correlated positively at .69.

Of the facet satisfaction items, highest mean satisfaction was shown for amount of responsibility on the job and feeling of accomplishment; lowest was for pay and benefits and opportunity for personal growth and development. Satisfaction with feeling of accomplishment was most closely correlated with overall satisfaction.

The Camp Lejeune Marines sampled reported working from 20 to 120 hours per week, although figures on both ends of the distribution must be questioned. Mean overall satisfaction was highest for those working 40-49 hours per week, lowest for those working 70-79 hours per week.

A measure of person-environment fit was used, and the results showed that, on average, the Marine Corps jobs were deficient in each of five job characteristics, when compared with the respondents' ideal jobs. In analyses using a summary P-E fit score, it was found that respondents in jobs where the P-E fit was in the ideal range scored highest in overall satisfaction, ahead of those in either the deficiency or excess categories.

Half (48.9%) felt they would be less likely to be in their ideal job if they were civilians, whereas about one-fourth (23.8%) felt the opposite. Comparison favoring civilian job correlated negatively with both affective and cognitive evaluations.

Variables used in the analyses were better able to predict overall satisfaction than affective evaluation. Satisfaction with feeling of accomplishment best predicted overall satisfaction, whereas affective evaluation was best predicted by overall satisfaction.

### **Summary of the Self Domain**

A majority of the Marines in the Camp Lejeune sample reported having positive feelings about self. Positive evaluation of this domain was correlated somewhat with pride in being a Marine. Older Marines were more positive than younger, Blacks led the rest in positive feelings about self,

and being married or involved in an intimate relationship was associated with higher positiveness. Gender differences were not significant.

The mean score for overall satisfaction (the cognitive measure) was higher than the mean for feelings about self (the affective measure). Subgroup differences for overall satisfaction paralleled subgroup differences in feelings. Overall satisfaction was most positively correlated with satisfaction with personal appearance and satisfaction with general competence. Highest satisfaction was recorded for self-discipline, while the lowest mean satisfaction score was for progress toward goals. This was generally true also for all subgroups.

More respondents thought their personal development was better as a Marine than it would have been had they remained civilians. Also, when comparing their own accomplishments to those of other Marines of the same rank, most respondents rated their own accomplishments equal or higher.

Personal development had relatively high salience. Those who scored highest on positive feelings about self, and on overall satisfaction with self, tended to think less often about personal development.

### **Summary of Global Quality of Life Findings**

Six measures of global QOL were included in the survey. Response totals for each measure except two were slightly weighted on the positive side, although the average scores hovered about the midpoint. When a global QOL composite score was constructed, the distribution of scores was wide-ranging; however, the mean was somewhat above the midpoint. All in all, global QOL was not very high by any measure used. Married Marines tended to score higher on QOL, which generally increased with rank and age. Women scored higher than men on global QOL.

QOL perceptions are affected by person-environment fit and by comparison with civilians. Somewhat higher global QOL is associated with better fit, and Marines who perceived their situations favorably compared with a civilian alternative tended to score higher on global QOL.

The strongest predictor of global QOL for the sample as a whole and for married respondents was feelings about self; for singles, it was feelings about health. Six variables together accounted for 77-84 percent of the variance when predicting global QOL from domain QOL.

In summary, it appears that construction of a single global composite using the domain QOL scores is defensible, and that the resulting composite score relates meaningfully to other variables (e.g., P-E fit). However, average global QOL composite scores, like most of the average domain QOL scores, do not distance themselves greatly from the scalar midpoints. Subgroup differences appear, but, for practical purposes do not amount to very much.

### **Summary of QOL and Organizational Outcomes**

Quality of life was significantly related to personal readiness. Marines perceiving higher QOL tended also to have a higher readiness composite score. Neither race nor marital status was related to personal readiness. Women showed less personal readiness than men, and readiness increased

with rank and age. On the whole, using the nine indices discussed above, readiness was only moderate.

Quality of life was found to be related to intention to stay in the Marine Corps. Most closely correlated with remaining on active duty were job and residence; this was true for both cognitive and affective evaluations. In addition, perceptions of the effects of domain QOL for those Marines intending to remain differed significantly from the perceptions of those Marines intending to leave.

A weak yet significant correlation was found between individual performance and global QOL for E-5s and above, with higher performers also perceiving better QOL overall. This is, of course, a relationship, not a causal connection.

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## **Section One**

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### **Introduction**

# Introduction

## Background

The military services are increasingly concerned with the quality of life of their members. This concern stems largely from a basic desire of military leaders to care for those in their charge, a concern for the well being of those who may be called upon at any time to place their lives in jeopardy in the defense of their country.

Such concern is exacerbated by substantive social and economic changes that have taken place in recent years. The emergence of the all-volunteer force, coupled with a decline in the population of eligible recruits, force the armed services into intense competition not only among themselves, but also with industry and academia. In addition, today's youth tend to be better educated as well as better informed of their vocational and career options. The rise of consumerism and the elevation of expectations regarding life's necessities and personal entitlements also focus attention on Quality of Life (QOL). Finally, sophisticated, technologically advanced equipment and weaponry demand highly skilled operators, even as the uncertainties and ambiguities of late-20th Century daily life demand motivated and dedicated organizational members.

The concern for QOL, thus, is impelled both by the Marine tradition of "caring for our own," and the ever-present need for competent, highly motivated, personnel, always in a high state of readiness. The result: immense investments of fiscal, personnel, and temporal resources in support of enhanced QOL.

## Problem

*Quality of Life in the U. S. Marine Corps* (Kerce, 1995) is the master report wherein the results of the Marine Corps-wide QOL assessment are reported. The research reported therein was designed to assess the success of those enhancements of QOL, and to serve as baseline data against which future QOL assessments can be arrayed. In addition, assessment results were made available to HQMC program managers to guide ongoing Corps-wide QOL improvements.

What is needed to supplement the Marine Corps-wide information are site-specific analyses that will be of use to commanders of major Marine Corps installations.

## Purpose

The purpose of the research reported herein is to amplify results of the Marine Corps-wide QOL assessment, focusing on data from Camp Lejeune only.

## Approach

The Marine Corps-wide QOL study produced data collected from a worldwide, representative sample of Marines (excluding only E-1s) who had been randomly selected to receive the QOL survey (refer to Kerce, 1995). Data for use in these site-specific analyses were extracted from that database. Analyses were performed using the Statistical Package for the Social Sciences (SPSS-X).

## Section Two

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### Sample Characteristics

## Sample Characteristics

### Response Rate

A total of 1,462 questionnaires were distributed to Marines stationed at Camp Lejeune. One thousand one hundred twenty-seven (1,127) completed questionnaires were received by the cutoff date and usable in the database, for an effective response rate of 77.1 percent. (For details, refer to Kerce, 1995:29-30.<sup>1</sup>)

### Gender

More than nine out of ten respondents (95.2%) were male, versus 4.8 percent female.

### Age

Age distribution for the sample is portrayed in Table 1. As shown, almost six out of ten respondents (59.4%) were in the 21-25 (48.3%) and 26-30 (11.5%) age categories. The overwhelming majority (92.7%) of the sample were 35 years of age or less, and the average age was 24.5 years.

Table 1

Age Distribution of Camp Lejeune Sample  
(*n* = 1,117)

Age Group	Percent
18-20	23.2
21-25	48.3
26-30	11.5
31-35	9.6
36+	7.3

### Race

Table 2 reflects the racial composition of the sample, in which 70.7 percent were White, 17.0 percent Black, 9.9 percent were Asian or Pacific Islander, and 2.4 percent were Native American or Aleut. In response to a separate question, 10.0 percent claimed Hispanic descent.

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<sup>1</sup>Note. The reader will find it useful to have at hand the Marine Corps-wide results of the survey, found in Kerce (1995).

**Table 2**

**Racial Distributions of Camp Lejeune Sample  
(n = 1,105)**

Race/Ethnic Group	Number	Percent
White/Caucasian	781	70.7
Black/African American	189	17.1
Asian/Pacific Islander	109	9.9
Native American/Aleut/Eskimo	26	2.4

**Education**

Only three percent (3.2%) of the Marines in this sample had below a high school graduate education. One third (32.5%) had at least some college. Table 3 shows the complete education figures.

**Table 3**

**Educational Level for All Respondents  
(n = 1,118)**

Situation	Percent
Less than high school	0.3
High school equivalent	2.9
High school graduate	64.4
Less than two years college	18.9
Two or more years college, no degree	4.7
Associate's degree	2.1
Bachelor's degree	5.5
Master's degree	1.1
Doctoral or professional degree	0.2

**Marital Status**

Of the respondents in the sample, 46.5 percent were married, 47.6 percent had never been married, and 5.9 percent were separated or divorced.

**Accompanied Status**

More than half (55.1%) of the Camp Lejeune Marines responding to the survey had no dependents, 3.8% were accompanied by some of their dependents, 32.7% by all of their dependents. Four percent (4.3%) were temporarily unaccompanied, 3.4 percent were permanently unaccompanied by choice, 0.7 percent as a billet requirement. (Refer to Table 4.) There were 202

respondents who were married geographical bachelors, the most common reasons being personal preference and cost of living.

**Table 4**

**Accompanied Status by Marital Status Group**

Status	Percent	
	Married (n = 498)	Single (n = 64)
Accompanied by some dependents	7.0	6.3
Accompanied by all dependents	78.5	17.2
Temporarily unaccompanied	8.6	29.7
Temporarily unaccompanied	5.0	43.8
Permanently unaccompanied by choice	0.8	3.1
Permanently unaccompanied--billet requirement	0.0	0.0

**Parental Status**

Fewer than one-third (27.9%) of those surveyed said they had dependent children living with them; 9.4 percent had dependent children living elsewhere.

**Spousal Employment**

Table 5 details the responses to the question about spouse's job. Few (8.8%) of the responding Marines had a military spouse. With respect to spousal employment other than by the military, 6.4 percent said their spouses were self-employed at home, 17.7 percent had spouses holding part-time civilian jobs, 24.1 percent whose spouses were full-time civilian workers. Twenty-two percent (22.3%) had spouses who were unemployed by choice, 20.6 percent had spouses who were unemployed but looking for work.

**Table 5**

**Employment Situation for Spouses of Married Respondents  
(n = 543)**

Situation	Percent
In the military	8.8
Self-employed at home	6.4
Civilian job part time	17.7
Civilian job full time	24.1
Unemployed by choice	22.3
Unemployed, actively seeking employment	20.6

## Paygrade

The paygrade distribution for the sample is shown in Table 6. As would be expected, the largest grouping was in the E-2--E-3 category at 48.2 percent, followed by the E-4--E-5s, at 30.9 percent. Four percent (4.1%) of the total sample were O-1--O-3s, 1.6 percent 0-4 or higher. Length of time in current paygrade ranged from 0 to 144 months, with an average of 19.1 months.

**Table 6**  
**Paygrade Distributions of Marine Corps and Sample**  
**(n = 1,121)**

Paygrade	Number	Percent
E-2--E-3	540	48.2
E-4--E-5	346	30.9
E-6--E-7	113	10.1
E-8--E-9	27	2.4
O-1--O-3	46	4.1
O-4--O-9	18	1.6
W-O	12	1.1

## Length of Service

Average length of service was 5.0 years, with a range of from 0 to 28 years. Approximately four out of ten (44.4%) had less than 3 years tenure in the Marine Corps.

## Months at Assignment

Zero to 92 months was the range for time at present assignment, with an average of 16.8 months. One-half of those responding (50.8%) had been on their present assignment 13 months or less.

## Deployment Status

Of the Marines in this sample, few were on deployment. Eighteen persons (1.6%) said they were deployed at the time of the survey. However, in a separate question, four said they were deployed aboard ship, one at a U.S. Embassy, and 18 at school (for a total of 23).

## Occupational Specialty

A wide array of Marine Corps Military Occupational Specialties (MOS) was included in the sample, with clusters of respondents in particular MOSs relevant to ground combat.

**Section Three**

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**Quality of Life Domains**

# Quality of Life Domains

## Introduction

The term "Quality of Life" refers to the overall well-being of the individual human being. It is important to remember that no external assessment of any person's quality of life is either valid or very meaningful; quality of life (QOL) is as it is perceived by the individual. A QOL survey is an attempt to elicit information from an individual that will indicate, with some degree of fidelity, how that person perceives his or her QOL. In the aggregate, questionnaire responses from a scientifically drawn sample of individuals will provide indications about the QOL for members of an organization, and thus, in a way, provide a commentary on organizational health, and indicate areas where organizational resources might profitably be targeted.

It is probably true that personal assessments of QOL vary from time to time, dependent on many things: personality factors, recent events in the life-space of the individual, or simply as a result of the acquisition of new information by the individual. A survey can provide but a snapshot of the QOL perceptions of members of an organization. The information is highly relevant and useful, but requires updating on a regular basis, or subsequent to major events in the physical or social environments.

## Quality of Life Domains

Quality of Life is a global term. While such an overarching term is useful for referring to overall well-being, that global perception has many contributors. Countless are the ways in which QOL might meaningfully be divided. Each is a major category in which individuals would be likely to focus their attention, the results of which contribute in a great or small way to a global assessment of well-being. The relative importance of each of these domains, of course, will constantly shift, not always in a predictable manner.

Closest to the "heart" of QOL might be self-assessments, and perceptions about one's health. For most people, areas of life involving spouse or other intimate companion, children, and friends lie close to the self domain; not too distant are other relatives. Work remains closely associated with one's identity; and income, in addition to its own importance to QOL, affects many other areas of QOL as well. Where one lives and the quality, size, and amenities of one's dwelling are of great importance to individuals. Leisure and recreation seem to be of increasing importance in today's society, and thus become important to overall QOL.

In the Marine Corps Quality of Life Survey, information was elicited from respondents with respect to 11 "domains." This section of the report details results for each of those domains of life in the order presented in the survey itself:

- Residence
- Neighborhood
- Leisure and Recreation
- Health
- Friends and Friendships
- Marriage/Intimate Relationship

Relationships with One's Children  
Relationships with Other Relatives  
Income and Standard of Living  
Job  
Self

Information varies by domain. However, affective assessments, cognitive assessments, objective descriptions, and salience indications are included for each domain.

### **Measurement Scales**

Human beings have feelings about the various aspects of their lives. They also make rational evaluations, which may or may not agree with how they feel. Within each domain, affective assessments (measuring feelings about something) used a seven-point scale, the bipolar anchors being Delighted and Terrible (D-T). Cognitive assessment (measuring rational evaluations) again used a seven-point scale, which ran from Completely Satisfied to Completely Dissatisfied. A third seven-point scale was used to measure Salience ("on the mind"). Objective descriptions are stated in terms relevant to the qualities being measured, and each domain had some items unique to that section of the survey.

### **Analysis Categories**

Extremely small numbers of respondents in some subgroups of the sample militate against defensible scientific analyses and may render survey information useless. Therefore, broader categories have been developed. Even then, especially in crosstab analyses, there will be very few respondents in some categories. The reader is urged to review the actual distribution of responses and to take any results where the number in a category is very, very low cum grano salis.

For analyses of differences according to demographic characteristics, the following categories are used in this report:

#### **Age**

Less than 25 years old  
25-35 years old  
More than 35 years old

#### **Marital Status**

Married  
Formerly married (divorced/widowed)  
Never married

## Rank

- E-2--E-4
- E-5--E-9
- W-1--W-5
- O-1--O-4
- O-5--O-9
- Other (E-1)

## Residence

- BOQ/BEQ
- Military housing
- Civilian housing
- Other

## Race

- White
- Black
- Hispanic
- Other

In certain cases, categories will be used that are specific to the domain under consideration, and not elsewhere in the report. In such cases, the reader will be alerted to the use of those special analysis categories.

## **Data Presentation**

Presentation of survey results for Camp Lejeune closely parallels that for the Corps-wide survey (Kerce, 1995). Tables and figures are used sparingly in this report, and only in cases where visual presentation of the data is particularly useful. In addition, for reporting purposes, responses are sometimes "collapsed"; for example, "completely dissatisfied" and "dissatisfied" might be combined. The reader is urged to consult the survey itself (in the Appendix) for exact item wording. The tables are sequenced very close to the order of data presentation in this report.

## The Residence Domain

We will begin with where the Marines live--their residence. One's "home base" often has far-reaching effects on one's perceptions of QOL. It directly affects the way one lives, one's safety, one's comfort. Monetary, rank, and marital status variables impose constraints on choice of residence for Marines at Camp Lejeune.

### Type of Residence

Table 7 portrays the distribution of the sample by residence type. By far the most respondents were living in BOQ or BEQ (52.2%), followed by personally rented civilian housing at 16.7 percent and family housing on base at 10.7 percent.

Table 7

#### Distribution of the Sample by Type of Housing

Housing Type	Percent
Bachelor Quarters (BEQ/BOQ)	52.2
Family housing on base	10.7
Military housing off base	1.0
Civilian housing (personally owned)	7.9
Civilian housing (rented)	16.7
Mobile home	7.0
Other	2.6

### Affective Evaluation of Residence

In the overall sample, the mean score on the D-T measure was 4.2, effectively at the mid-point of the scale, "neither happy nor unhappy." One-fourth of the Marines surveyed (24.4%) chose the "mostly pleased" response; 17.2 percent chose "pleased." Only 5.0 percent were "delighted," while 8.8 percent and 8.6 percent chose the "unhappy" and "terrible" responses, respectively. "Mostly pleased" to "delighted" responses tended to be chosen by respondents living in either civilian (72.3%) or military housing (66.2%), while the "mostly unhappy" to "terrible" responses were more often chosen by BOQ/BEQ residents (39.4%). Nonetheless, BOQ/BEQ had some "pleased" and "delighted" residents (9.4%), and both civilian (6.4%) and military housing (6.9%) had a few residents who chose the "unhappy" or "terrible" response alternatives.

As would be expected, positive affective evaluations of residence tended to increase with rank. Never-married respondents tended to be least happy with residence, formerly married were more positive, and married respondents made the most positive affective evaluations of all.

### Cognitive Evaluation of Residence

Marines were asked to indicate overall satisfaction with their residence on a seven-point scale, 7 being "very satisfied" and 1 being "very dissatisfied." Responses on this measure correlated

strongly with responses on the domain D-T scale ( $r = .75, p < .000$ ). The sample mean for overall satisfaction was 4.2, at just about the midpoint of the scale.

Subgroup comparisons indicated that married personnel were somewhat more satisfied with their residence than were those formerly married, who were much more satisfied than those never having been married. Blacks were most satisfied, followed by "Other" and White in that order; least satisfied were Hispanic respondents. Women were more satisfied than men. Little difference in satisfaction was evident among the officer subgroups; however, senior enlisted were less satisfied than officers, and junior enlisted were least satisfied of all. Finally, Marines residing in civilian housing made the highest endorsement for satisfaction, followed by those living in military housing. BOQ/BEQ residents were much lower in satisfaction, and "other" residence type was lowest.

### Specific Residence Factors

In addition to the overall satisfaction measure, the survey also elicited information with respect to Marines' satisfaction with nine specific aspects of their residence. Table 8 shows correlations among the satisfaction ratings of specific factors in addition to the correlation between specific factors and overall satisfaction. Generally, moderate to strong intercorrelations were found among all of the specific factors except location, which was slightly lower, and cost, for which intercorrelations were considerably lower. All specific factors correlated strongly with overall satisfaction except cost.

Table 8

#### Intercorrelations of Specific and Overall Satisfaction with Residence

Satisfaction Aspect	Intercorrelations Among Aspects									Correlations With Overall Satisfaction
	S1	S2	S3	S4	S5	S6	S7	S8	S9	
1. Attractiveness		.74	.67	.67	.66	.56	.66	.63	.27	.79
2. Layout			.69	.66	.69	.62	.62	.57	.29	.78
3. Amenities				.66	.62	.55	.65	.55	.21	.73
4. Privacy					.71	.58	.68	.54	.23	.75
5. Space						.55	.65	.50	.26	.74
6. Location							.57	.42	.26	.64
7. Comfort								.62	.26	.77
8. Condition									.35	.68
9. Cost										.41

Notes.

1. All correlations are significant at  $p < .001$ .
2. With pairwise treatment of missing values, *N*s for these analyses ranged from 1,064 to 1,113.

Intercorrelations were examined separately for bachelor quarters, military family housing, and civilian housing residents. Although there were minor inter-group differences, the correlation coefficients for the three subgroups were generally similar to those shown in Table 8, again with cost showing the lowest correlation with overall satisfaction.

Analysis by type of residence produced results highly comparable with those for the total sample. Except for cost, Marines residing in the BOQ and BEQ were consistently least satisfied on all factors. Residents of civilian housing tended to be most satisfied, except with respect to cost. For BOQ/BEQ residents, all but one of the mean scores fell into the dissatisfied portion of the scale; in contrast, all response means except two for military and all response means for the civilian housing subgroups fell on the positive portion of the scale. Table 9 displays the satisfaction ratings for the three subgroups.

**Table 9**

**Aspects of Residence Ranked by Mean Satisfaction Score  
by Where Respondents Were Living**

Bachelor Quarters		Government Family Housing		Civilian Housing	
Aspect	Mean	Aspect	Mean	Aspect	Mean
Cost	4.94	Location	5.30	Location	5.48
Location	4.06	Cost	4.93	Privacy	5.40
Condition	3.94	Comfort	4.90	Amenities	5.36
Layout	3.74	Amenities	4.64	Comfort	5.32
Attractive	3.50	Layout	4.61	Layout	5.26
Comfort	3.26	Condition	4.48	Condition	5.23
Amenities	2.98	Attractive	4.34	Attractive	5.23
Space	2.87	Privacy	3.89	Space	4.89
Privacy	2.77	Space	3.75	Cost	4.65

Space and privacy were lowest ranked for satisfaction by military, cost and space by civilian housing residents; privacy, space, and amenities were lowest ranked by BOQ/BEQ residents. Those residing in civilian housing ( $N = 363$ ) were paying from \$50.00 to \$1,250.00 per month for their housing (average of \$408.78). Mortgage payments on personally owned civilian housing ranged from \$194.00 to \$1,250.00, averaging \$547.60. Monthly rent for non-owned civilian housing ranged from \$125.00 to \$950.00 (average \$410.34). Average cost for shared rentals was \$271.29, the range being from \$50.00 to \$600.00. Seventy-eight respondents reported living in a mobile home; their average monthly payment was \$294.73.

For all respondents except those living in BOQ/BEQ ( $N = 791$ ), the number of rooms in the residence ranged from one ( $N = 9$ ) to eight or more ( $N = 24$ ). Two to six rooms were most commonly indicated, with the mode being five rooms. Number of adults living in the residence ranged from one to eight or more; children living in the residence ranged from one to six. Dividing the number of rooms in the residence by the total number of persons living there (adults plus children) provided a figure denoting rooms per person. That figure ranged from a low of .50 to a high of 4.50. The mean for military housing was 1.3; for civilian housing it was 1.5.

## Social Comparisons

Respondents were asked to compare their current residence to the residence they thought they might have if they were not in the Marine Corps. Seventeen percent (17.2%) felt the two residences were about the same, 41.3 percent felt their current residence was worse, and 41.5 percent felt it to be somewhat better. Marines living in military housing were rather positive in their responses, with 18.6 percent stating their current residence and the one they might be living in were they not in the Marine Corps were about the same, but 46.5 feeling that their current residence was better. Civilian housing residents were only slightly less positive, with 33.4 percent stating that the two were the same, 36.4 percent feeling their current residence was worse. For BOQ/BEQ residents, there was a relatively equal split between better (47.8%) and worse (45.3%).

Respondents were also asked to compare their current residence with homes in which they had lived while growing up. By far the most stated that their current residence was worse (67.5%). More than half of the military housing residents (58.9%) felt their current residence was worse, 18.6 percent felt their current residence and the one they had lived in while growing up were about equal. Civilian housing residents were very similar in their evaluations; 52.2 percent felt their current residence was worse, 18.1 percent felt the two were about the same, while 29.7 percent felt their current residence was better. BOQ/BEQ residents were highly negative in their responses: almost eight out of ten (79.0%) said "worse."

A third comparison was requested, this one between the Marine's current residence and the residences of most other Marines of the same paygrade. More than half (59.3%) of those responding felt the two were about the same, with responses for better (21.2%) and worse (19.5%) fairly evenly split. More than half (64.6%) the military housing residents saw their residence and those of their contemporaries as about equal, with better and worse again about evenly split. Civilian housing residents were most positive in responding to this question, with half (48.9%) feeling the two were about equal, and 40.3 percent feeling their residence was better than that of most of their peers. Six out of ten (65.7%) BOQ/BEQ residents felt the two were about the same, 24.6% felt their own residence was worse, 9.1% felt theirs was better.

Positive correlations were found between responses on two of the comparisons and overall satisfaction with residence. Those who felt that their current residence compared favorably with where they lived as children, and even more those whose current residences compared favorably to those of their peers, tended also to be satisfied with their current residence. The strongest relationship was between overall satisfaction with residence and a positive comparison with peers ( $r = .45$ ), followed by a positive comparison with childhood residence ( $r = .29$ ).

## Salience

Respondents were asked how frequently residence had been on their mind, using a seven-point scale running from 1 (almost all the time) to 7 (not at all). Mean scores on the salience measure differed very little by where respondents were living (military housing = 2.43, civilian housing = 2.34, BOQ/BEQ = 2.21).

Salience score was found to correlate positively with overall satisfaction with residence ( $r = .30$ ,  $p = .000$ ), and with feelings about one's residence on the D-T scale ( $r = .27$ ,  $p = .000$ ).

This indicates that the Marines in the sample had a tendency to think more often of their residence if they were having problems with it.

### Variables Predicting Positive Assessment of Residence

To identify the combination of factors that are predictive of overall satisfaction with residence, and with positive feelings toward it, a series of multiple regression procedures was conducted. Using a stepwise procedure, 14 variables were tested: nine specific satisfactions, overall domain satisfaction, the D-T (feelings) score, and the three comparison variables. Because of differences associated with living in military housing, civilian housing, and bachelor quarters, analyses were conducted separately for each subgroup. The results of the three analyses to predict residence domain overall satisfaction are presented in Tables 10, 11, and 12. Only the strongest predictors, those adding at least one percentage point to the squared multiple correlation, are included in the tables.

**Table 10**

#### Multiple Regression Predicting Bachelor Quarters Residents' Overall Satisfaction with Residence

Variable	Multiple <i>R</i>	<i>R</i> <sup>2</sup>	Beta
Satisfaction with space available	.75	.57	.75
Satisfaction with privacy	.83	.68	.43
Satisfaction with comfort	.86	.73	.29
Overall feeling about residence	.87	.76	.23
Satisfaction with layout	.88	.78	.20
Satisfaction with cost	.89	.80	.12
Satisfaction with space available	.90	.80	.14
Satisfaction with other Marines	.90	.81	.07
Satisfaction with amenities	.90	.81	.07
Satisfaction with condition	.90	.81	.06

**Table 11**

#### Multiple Regression Predicting Government Family Residents' Overall Satisfaction with Residence

Variable	Multiple <i>R</i>	<i>R</i> <sup>2</sup>	Beta
Overall feeling about residence	.75	.56	.75
Satisfaction with layout	.83	.69	.46
Satisfaction with privacy	.86	.74	.27
Satisfaction with condition	.88	.77	.22
Satisfaction with location	.89	.79	.18
Satisfaction with space available	.90	.81	.18
Satisfaction with attractiveness	.90	.82	.13

**Table 12**

**Multiple Regression Predicting Civilian Housing Residents'  
Overall Satisfaction with Residence**

Variable	Multiple <i>R</i>	<i>R</i> <sup>2</sup>	Beta
Satisfaction with layout	.73	.54	.73
Satisfaction with cost	.82	.68	.41
Satisfaction with condition	.86	.74	.32
Satisfaction with comfort	.87	.76	.22
Overall feeling about residence	.88	.78	.16
Satisfaction with amenities	.89	.79	.14
Satisfaction with attractiveness	.89	.79	.11
Satisfaction with privacy	.89	.80	.08

As can be seen in the tables, it is, generally, satisfaction with specific aspects of the residence that most strongly predicts overall satisfaction with residence for Marines in all three subgroups. However, feelings about the residence was the top predictor for residents of military housing, fifth strongest for civilian housing residents, and fourth strongest for those residing in BOQ/BEQ. The importance of predictors varied by subgroups.

Multiple regression procedures also were used to determine what most strongly influenced Marines' feelings about their residences. Overall satisfaction, the nine facet satisfactions, salience, and the three residence comparisons were the variables included. Results of the separate analyses for BOQ/BEQ, military housing, and civilian housing are shown in Tables 13, 14, and 15.

**Table 13**

**Multiple Regression Predicting Bachelor Quarters Residents'  
Feelings About Their Residence**

Variable	Multiple <i>R</i>	<i>R</i> <sup>2</sup>	Beta
Satisfaction with residence overall	.68	.47	.68
Saliency	.70	.49	.16
Satisfaction with layout	.71	.50	.16
Satisfaction with privacy	.71	.51	.13
Satisfaction with attractiveness	.71	.51	.07
Comparison with housing while growing up	.71	.51	.04
Satisfaction with cost	.71	.51	.03
Satisfaction with location	.72	.51	.02
Comparison with other Marines	.72	.51	.02
Satisfaction with comfort	.72	.51	-.01
Satisfaction with condition	.72	.51	.01
Satisfaction with space available	.72	.51	-.01
Comparison with housing as a civilian	.72	.51	-.005
Satisfaction with amenities	.72	.51	.002

**Table 14**

**Multiple Regression Predicting Military Family Residents' Feelings of About Their Residence**

Variable	Multiple <i>R</i>	<i>R</i> <sup>2</sup>	Beta
Satisfaction with residence overall	.75	.56	.75
Satisfaction with comfort	.76	.58	.19
Satisfaction with space available	.77	.59	.14
Satisfaction with cost	.78	.60	.15
Satisfaction with amenities	.78	.61	-.11
Satisfaction with location	.78	.61	-.08
Saliency	.79	.62	.05
Satisfaction with privacy	.79	.62	-.06
Comparison with layout	.79	.62	.06
Satisfaction with other Marines	.79	.62	-.04
Comparison with attractiveness	.79	.62	-.04
Satisfaction with condition	.79	.62	.03
Comparison with housing whereas growing up	.79	.62	-.02
Comparison with housing as a civilian	.79	.62	-.02

**Table 15**

**Multiple Regression Predicting Civilian Housing Residents' Feelings About Their Residence**

Variable	Multiple <i>R</i>	<i>R</i> <sup>2</sup>	Beta
Satisfaction with residence overall	.68	.46	.68
Satisfaction with privacy	.71	.50	.24
Satisfaction with attractiveness	.72	.52	.23
Comparison with other Marines	.73	.54	.13
Comparison with housing as a civilian	.74	.54	.07
Comparison with housing while growing up	.74	.55	.10
Satisfaction with amenities	.74	.55	.06
Saliency	.74	.55	.04
Satisfaction with cost	.74	.55	.04
Comparison with space available	.74	.55	-.04
Satisfaction with comfort	.75	.56	.05
Satisfaction with layout	.75	.56	.05
Satisfaction with location	.75	.56	.03
Satisfaction with condition	.75	.56	.03

Overall satisfaction with residence was the best predictor of positive feelings about the residence. Saliency was the second most potent predictor for residents of bachelor quarters, whereas comfort was second for military housing occupants, privacy for civilian housing residents.

The three comparisons added little to the correlations for any of the three housing types. Prediction, using the stated variables, was more successful in the case of Marines living in military housing than for residents of the other two types of housing.

### **Summary of the Residence Domain**

For the Marines at Camp Lejeune, type of housing was found to be a powerful determinant of affective evaluation of the residence and of satisfaction with residence overall. Those living in BOQ/BEQ have the least control over many aspects of their living quarters, and they tended to be much less satisfied with their residence than were those living in military housing; civilian housing residents, whether they owned or rented, were most satisfied of all. Bachelor quarters residents also tended to compare their current housing less favorably with childhood home, but about equally with military housing residents on the kind of housing they might be enjoying if they were not in the Marine Corps. Other than with cost, bachelor quarters residents were least satisfied on all factors of residence. After all, their comparison, at best, is between their room (or shared suite) and an actual apartment or a house. Not unexpectedly, their lowest satisfaction was with privacy and space, the highest, such as it was, with cost and location.

Marines living in military housing were more satisfied with their residences than were bachelor quarters residents. Members of this subgroup (military housing) were most satisfied with location and cost, least with space and privacy.

Marines living in civilian housing were most satisfied with the space and privacy of their residences. Lowest satisfaction for this subgroup was with cost.

In general, there were no high levels of satisfaction with housing in the Camp Lejeune sample. On the seven-point scale of overall satisfaction (seven being high), the top indicator was found to be 5.2; for a facet satisfaction (again with a seven-point scale) the top was 5.5 (satisfaction with the location of the residence). Both high points of satisfaction were found among the residents of civilian housing.

## The Neighborhood Domain

How Marines feel about where they live depends not only on their residence but also on the neighborhood in which it is situated. Many are the ways in which neighborhoods differ in the encircling environments they provide for any particular residence. Housing values, occupant safety, and social relations are but a few of the things affected by neighborhood type and quality. Given the differences among housing types (BOQ/BEQ, military housing, civilian housing), one would expect at least some neighborhood ratings to differ according to housing type. Variables included in the assessment of neighborhood included the affective (D-T) scale, overall satisfaction, satisfaction with various aspects of the neighborhood, comparisons, salience, and perceived effects on behaviors and intentions.

### Affective Evaluation of the Neighborhood

Relatively, Camp Lejeune Marines were about as positive about their neighborhood as about their residences. With respect to feelings about their neighborhood, approximately one-third of the sample (32.9%) were on the mid-point of the seven-point scale, "neither happy nor unhappy." Responses of "unhappy" and "terrible" accounted for only 7.0 percent and 6.7 percent, respectively. One-fifth (19.5%) marked "mostly pleased," while another one-fifth (19.9%) chose the "pleased" response. The mean for overall satisfaction was very close to the mid-point, and very slightly higher than that for feelings about residence, at 4.3

Subgroup comparisons showed statistically significant differences by marital status, rank group, and type of housing. Feelings about neighborhood scored at a mean of 4.94 for married and 4.57 for formerly married Marines; however, the feeling score for those never having been married was only 3.78. With respect to rank group, feelings about the neighborhood became more positive in a linear fashion with rank: E-2 to E-4, 4.05; E-5 to E-9, 5.01; O-1 to O-4, 5.46; and O-5 to O-9, 5.83; warrant officers scored almost equal with senior enlisted at 5.00.

Feelings about neighborhood were least positive for BOQ/BEQ residents (3.83), more positive for residents of military housing (4.86); those living in civilian housing were most positive of all (5.11). Much of the difference among subgroups can, of course, be accounted for by the fact that single, unmarried Marines tend to live in the bachelor quarters. Those having higher incomes (i.e., of higher rank) tend to select or to be assigned to better neighborhoods.

Length of time in the neighborhood was very weakly correlated with feelings about the neighborhood ( $r = .05, p = .041$ ). A slightly stronger relationship was found between feelings about the neighborhood and the amount of time it required to get to work ( $r = .27, p = .000$ ).

### Cognitive Evaluation of Neighborhood

Almost one-fifth (18.1%) of the Marines were somewhat to completely satisfied with their neighborhoods; 61.2 percent were dissatisfied and 20.8 percent chose the neutral response. Overall satisfaction with neighborhood was moderately correlated ( $r = .72$ ) with responses on the D-T scale (feelings about neighborhood). Overall satisfaction with neighborhood differed significantly by rank group and type of housing, as well as by marital status.

## Specific Aspects of Neighborhood

Correlations shown in Table 16 denote the relationships among satisfaction with specific aspects of the neighborhood, and between each of the specific aspects and overall satisfaction. Each of the 11 specific elements was significantly correlated with overall satisfaction. Although the exact correlations differed, the pattern of relationships was highly similar across type of residence subgroups.

**Table 16**

### Intercorrelations of Specific and Overall Satisfaction with Neighborhood

Aspect	Intercorrelations Among Aspects										Correlations With Overall Satisfaction
	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	
1. Safety	.59	.55	.52	.43	.28	.40	.45	.23	.17	.35	.56
2. Public Services		.61	.56	.42	.36	.44	.47	.39	.19	.45	.61
3. Appearance			.77	.52	.38	.47	.54	.39	.21	.45	.72
4. Other Dwellings				.49	.38	.43	.51	.40	.24	.42	.69
5. Friendliness					.35	.54	.65	.36	.23	.41	.65
6. Transportation						.30	.45	.30	.17	.26	.46
7. Racial Mix							.52	.37	.21	.41	.60
8. Sense of Community								.38	.22	.36	.64
9. Retail Services									.32	.37	.50
10. Commute Time										.29	.32
11. Parking Availability											.60

**Notes.**

1. All correlations are significant at  $p < .001$ .
2. With pairwise treatment of missing values, *N*s for these analyses ranged from 1,078 to 1,114.

Highest intercorrelation ( $r = .77$ ) was between satisfaction with appearance of the neighborhood, and satisfaction with the condition of other dwellings; lowest intercorrelation ( $r = .17$ ) was between satisfaction with transportation services in the neighborhood and satisfaction with the time it takes to get to work. The three aspects having the strongest relationship with overall satisfaction were the appearance of the neighborhood, the condition of other dwellings, and the friendliness of people living in the neighborhood. The aspect showing the least relationship with overall satisfaction was commuting time.

Table 17 shows the mean satisfaction scores for the various specific elements of the neighborhood domain, broken out by type of housing. There were no surprises. Differences can be accounted for by the trade-offs in characteristics of barracks life versus living in a home, and by on-base versus off-base housing. Time to work and safety rank high for BOQ/BEQ, time to work and racial mix for military housing; transportation ranks low for both. Among the Marines residing in civilian housing, transportation ranked lowest, with sense of community only slightly higher; their highest facet satisfactions were with parking and public services. Interestingly, Marines living

in military and civilian housing appear to be equally satisfied with the friendliness of their neighbors.

**Table 17**

**Aspects of Neighborhood Ranked by Mean Satisfaction Score  
by Where Respondents Were Living**

Bachelor Quarters		Military Family Housing		Civilian Housing	
Aspect	Mean	Aspect	Mean	Aspect	Mean
Commute Time	5.50	Commute Time	5.43	Parking	5.78
Safety	4.72	Racial Mix	5.10	Public Services	5.37
Parking	4.62	Parking	5.09	Racial Mix	5.29
Retail Services	4.55	Retail Services	5.07	Safety	5.24
Public Services	4.44	Safety	4.90	Appearance	5.23
Other Dwellings	4.43	Friendliness	4.90	Friendliness	5.20
Racial Mix	4.42	Appearance	4.83	Retail Services	5.12
Friendliness	4.39	Public Services	4.75	Other dwellings	4.99
Appearance	4.38	Other dwellings	4.63	Commute Time	4.70
Community Sense	3.86	Community Sense	4.15	Community Sense	4.50
Transportation	3.21	Transportation	3.58	Transportation	3.77

Although closely linked with type of housing, satisfaction with aspects of the neighborhood tends to be lower among those never having been married and among the junior enlisted personnel.

**Social Comparisons**

Respondents were asked to compare their present neighborhood to the one they thought they might be living in were they not in the Marine Corps. Responses were quite positive. More than half (59.6%) thought their current neighborhood was better, while 20.3 percent of them felt the two were about equal. Only 20.1 percent rated their current neighborhood as worse. However, when asked to compare current neighborhood and the one in which they had grown up, respondents were much more negative. Six out of ten (63.2%) of the Marines felt their current neighborhood was worse, and only 21.2 percent felt it was better. In a third comparison, 62.3 percent of those sampled felt that their current neighborhood was about equal to that of their peers; 21.2 percent thought theirs was better, 16.4 percent thought theirs was worse.

There was no clear pattern by type of housing. Marines living in military housing were most likely to see their current neighborhood as superior to that of their peers. However, when comparing current neighborhood with the one in which they grew up, little difference existed between the responses of military and civilian housing residents. And, although they were a little more negative on comparisons of current neighborhood with either the one in which they grew up or the neighborhoods of their peers, BOQ/BEQ residents were surprisingly more positive than either military or civilian housing residents when comparing their current neighborhood with the one they might be living in were they not in the Marine Corps.

## Salience

Approximately half (51.6%) of these Camp Lejeune Marines stated that their neighborhood was on their mind "seldom," "hardly ever," or "not at all." One out of four (25.4%) marked "once in a while," while 11.5 percent indicated "quite a lot." For a few, neighborhood was on their mind "a great deal" (5.8%) to "almost all the time" (5.7%). On the seven-point scale, the mean response was 4.6. Correlational analysis revealed that those who had their neighborhoods on their mind most often tended also to be the ones least satisfied with their neighborhoods.

## Variables Predicting Positive Assessment of Neighborhood

The combination of factors that predict positive assessment of the neighborhood domain were identified through a series of multiple regression procedures. Because of the varying characteristics of BOQ/BEQ, military housing, and civilian housing, which likely affect these assessments, the analyses were conducted separately for each of the three housing type subgroups.

Fourteen variables were entered in a stepwise procedure: 11 facet satisfactions and three comparisons. Tables 18, 19, and 20 show that, in each case, a few (4-6) facet satisfactions account for approximately 66-80 percent of the variance in overall satisfaction, with the comparison factors contributing little to the correlations. (Only predictors adding a full percentage point or more to the squared coefficient are included in the tables.)

Table 18

### Multiple Regression Predicting Bachelor Quarters Residents' Overall Satisfaction with Neighborhood

Variable	Multiple R	R <sup>2</sup>	Beta
Satisfaction with appearance	.67	.45	.67
Satisfaction with racial mix	.74	.55	.33
Satisfaction with availability of parking	.78	.60	.26
Satisfaction with sense of community	.80	.64	.23
Satisfaction with transportation	.81	.65	.14
Satisfaction with condition of other dwellings	.82	.66	.16
Comparison with neighborhood while growing up	.82	.68	.11
Satisfaction with friendliness	.83	.68	.12
Satisfaction with availability of retail services	.83	.69	.07
Satisfaction with safety	.83	.69	.08
Satisfaction with public services	.83	.69	.03
Satisfaction with length of time to get to work	.83	.69	-.02
Comparison with neighborhood as a civilian	.83	.69	.01
Comparison with other Marines	.83	.69	.004

**Table 19**

**Multiple Regression Predicting Military Family Housing Residents' Overall Satisfaction with Neighborhood**

Variable	Multiple R	R <sup>2</sup>	Beta
Satisfaction with condition of other dwellings	.74	.54	.74
Satisfaction with friendliness	.84	.71	.46
Satisfaction with availability of parking	.87	.76	.28
Satisfaction with sense of community	.89	.79	.26
Satisfaction with public services	.90	.80	.11
Satisfaction with safety	.90	.80	.07
Satisfaction with availability of retail services	.90	.80	.07
Comparison with other Marines	.90	.81	.07
Satisfaction with racial mix	.90	.81	-.06
Comparison with neighborhood as a civilian	.90	.81	.06
Comparison with neighborhood while growing up	.90	.82	.11
Satisfaction with transportation	.91	.82	.04
Satisfaction with appearance	.91	.82	.02
Satisfaction with length of time to get to work	.91	.82	.01

**Table 20**

**Multiple Regression Predicting Civilian Housing Residents' Overall Satisfaction with Neighborhood**

Variable	Multiple R	R <sup>2</sup>	Beta
Satisfaction with appearance	.77	.60	.77
Satisfaction with friendliness	.84	.71	.40
Satisfaction with availability of parking	.87	.75	.23
Satisfaction with public services	.88	.78	.20
Satisfaction with availability of retail services	.89	.79	.15
Satisfaction with condition of other dwellings	.90	.80	.18
Satisfaction with racial mix	.90	.81	.11
Satisfaction with safety	.90	.81	.11
Comparison with neighborhood while growing up	.90	.82	.07
Satisfaction with length of time to get to work	.90	.82	.05
Comparison with other Marines	.91	.82	.03
Comparison with neighborhood as a civilian	.91	.82	-.02
Satisfaction with transportation	.91	.82	.02
Satisfaction with sense of community	.91	.82	.003

Availability of parking and sense of community figure prominently in overall satisfaction for Marines living in all three types of housing. Roughly half the variance for BOQ/BEQ and military housing residents is accounted for by appearance and racial mix; for civilian housing residents, the

top predictor (again accounting for more than half the variance) is appearance. Top predictor for military housing residents is condition of other dwellings.

Five variables (overall satisfaction, the three comparisons, and domain salience) were tested for their combined effects as predictors of how Marines felt about their neighborhoods, as indicated by scores on the D-T scale. Overall satisfaction with neighborhood by far accounted for most of the variance (50%). Table 21 shows the variables and their order of entry into the equation. In separate analyses for each type of housing, overall satisfaction was the top predictor for all three. In second position as a predictor of feelings about the neighborhood was salience for BOQ/BEQ and military housing residents, while for civilian housing residents it was the comparison between their own neighborhood and the neighborhoods of peers. Compared to the other two residence categories, much less of the variance was accounted for by any single factor in the case of bachelor quarters residents.

**Table 21**

**Multiple Regression to Predict Feelings About the Neighborhood Domain--Total Sample**

Variable	Multiple R	R <sup>2</sup>	Beta
Satisfaction with neighborhood overall	.71	.50	.71
Comparison with neighborhoods while growing up	.72	.52	.13
Comparison with other Marines' neighborhoods	.73	.53	.11
Domain Saliency	.73	.53	.09
Comparison with neighborhood as a civilian	.73	.53	-.05

**Summary of the Neighborhood Domain**

Overall satisfaction with neighborhood among Camp Lejeune Marines was not all that positive, with a mean (4.8) approaching the “somewhat satisfied” range. As would be expected, assessments of the neighborhood domain were influenced by type of housing. Again, BOQ/BEQ residents were the least positive in their assessments in almost every case. As was true in the case of residence, satisfaction tends to increase with rank group, and married Marines tend to be more satisfied than those never having been married.

Satisfaction ratings were low (in tenth place) for sense of community among all three housing subgroups; also ranking low in satisfaction for civilian community residents were transportation and commuting time to work. Marines living in BOQ/BEQ rated time to work and safety highest in facet satisfaction; for military housing residents, top satisfiers were time to work and racial mix. Top satisfiers for Marines living out in the civilian community were parking and public services.

Respondents comparing their current neighborhoods to those they might be living in were they not in the Marine Corps were fairly positive. By subgroup, BOQ/BEQ residents were actually highest on this measure. Substantial numbers of Marines in all three types of housing rated their current neighborhoods as worse than those neighborhoods in which they grew up. Comparing

current neighborhood with those of their peers, civilian housing residents gave the most favorable rating, BOQ/BEQ residents the least favorable; however, with respect to all three housing types, the most common response choice was that their neighborhood and those of their peers were about equal.

Results of a series of multiple regression procedures showed that, for BOQ/BEQ residents, appearance was the strongest predictor of overall satisfaction; for Marines living in civilian housing, the top predictor was safety; and for military housing residents, it was condition of other dwellings. In turn, regardless of housing type, overall satisfaction was the most powerful predictor of positive feelings about the neighborhood.

## **The Leisure and Recreation Domain**

We turn our attention now to the domain of leisure and recreation. Supporting a host of industries (resorts, equipment, media, clothing) leisure and recreation have become important activities in the life and life-style of modern men and women. It frequently becomes the focus of comparisons between one's own situation and the situations of other individuals, families, or population subgroups. Thus, leisure and recreation is an activity domain with high potential for influencing a Marine's perceptions of her or his overall QOL.

In addition to eliciting information on the D-T (feelings) scale, satisfaction scales, and comparison items, this section of the survey also asked respondents to indicate the recreational activities in which they participated, and how often they did so. Subsequently, those who were infrequent users of recreational activities were asked to indicate the reasons for their non-participation.

To make the elicited information more meaningful, analyses in this section sometimes categorize respondents by a combination of marital status (never married, married, divorced/separated/widowed), and age (under 25, 25-35, and 36 and older).

### **Affective Evaluation of Leisure Time Activities**

Marines at Camp Lejeune seemed relatively content with their recreation. More than half (53.9%) were either "pleased" or "mostly pleased," and 11.1 percent chose the "delighted" response. Only a few (17.3%) felt negative about their leisure and recreation. The mean score of 4.8 is at mid-scale, but approaches a "mostly pleased" response.

Analysis of variance found statistically significant differences by paygrade group (positive feelings tended to increase with rank), race (Whites and Hispanics were more positive than Blacks or "Other,") and age (positive feelings increased with age). Gender accounted for only a small difference, women being more positive than men.

### **Cognitive Evaluation of Leisure**

Measurement in this domain used an overall satisfaction item, plus four items addressing satisfaction with specific aspects (facets) of leisure and recreation. Overall satisfaction had a mean score of 4.06, very close to the neutral point on the scale. Almost four out of ten (37.5%) responded negatively, another 19.0 percent were neutral, and less than half (43.5%) chose a positive response. Variance in overall satisfaction showed differences by age, rank, and marital status, but not by gender or race. Satisfaction increased linearly with age.

Specific facet satisfaction items focused on variety of leisure activities available, cost of leisure activities, facilities provided, and the amount of time available for leisure activities. Table 22 displays correlations among the facet satisfactions and between each facet satisfaction and overall satisfaction with leisure and recreation. At least moderate correlations existed between each of the factors, with the strongest relationship being between variety of activities available and facilities provided. Facilities provided was the facet most strongly correlated with overall satisfaction.

**Table 22**

**Intercorrelations of Specific and Overall Satisfaction  
With Leisure Time**

Satisfaction Aspect	Intercorrelations			Correlations with Overall Satisfaction
	Sat2	Sat3	Sat4	
1. Variety	.64	.75	.33	.65
2. Cost		.68	.38	.60
3. Facilities			.41	.69
4. Amount of leisure time				.65

Notes.

1. All correlations are significant at  $p < .001$ .

2. With pairwise treatment of missing values, Ns for these analyses ranged from 1,111 to 1,115.

**Leisure Activities**

Marines participating in the survey were asked to indicate how often they participated in each of 28 leisure activities. For clarity of data presentation, responses have been collapsed into three categories: never, seldom, and frequent. Table 23 summarizes the results separately for married and unmarried personnel; shown is the percent of the subgroup in each participation category.

Overall, the patterns for participation in the various activities were similar across subgroups. Going to bars and clubs was quite a bit more typical of the unmarried Marines. Gardening, church activities, fixing things, and visiting with people were more heavily participated in by married than by unmarried. These results hold no surprises, especially when one considers the relationship between marital status and type of living quarters.

Table 23

## Participation in Leisure Activities by Married and Unmarried Marines

Activity	Married			Not Married		
	Never	Seldom	Frequent	Never	Seldom	Frequent
Active sports	14.2	336.9	48.9	11.8	36.3	51.9
Working out, running	2.0	11.5	86.5	4.0	14.5	81.5
Swimming	27.7	59.1	13.2	32.7	47.6	19.7
Watching sports events	15.4	33.3	51.4	15.1	31.5	53.4
Golfing	66.8	25.7	7.5	69.0	23.1	8.0
Tennis and racquet sports	59.2	32.0	8.8	63.6	30.1	6.3
Sailing	92.3	6.4	1.4	87.8	9.9	2.3
Outdoor activities (e.g., camping)	33.5	51.9	14.6	35.9	46.4	17.7
Fishing, boating	32.3	48.9	18.8	39.1	47.0	13.9
Dining out	1.6	39.3	59.1	4.6	30.4	65.0
Picnics, pleasure drives	10.1	50.1	39.8	24.8	43.1	32.1
Going to the movies	12.2	65.0	32.8	5.5	51.9	42.6
Going to clubs, bars	31.2	52.2	16.6	7.2	30.6	62.1
Time with friends, relatives	4.0	33.9	62.2	3.5	24.1	72.4
Club meetings, activities	59.1	29.6	11.3	65.7	23.2	11.1
Church activities	40.1	37.6	22.2	49.9	37.6	12.5
Playing cards, indoor games	20.1	45.7	34.2	21.3	40.9	37.8
Classes or lectures	49.9	39.0	11.1	49.7	33.3	17.0
Concerts, plays, etc.	59.9	38.0	2.1	38.1	56.5	5.4
Museums, exhibits, etc.	47.6	49.6	2.8	56.5	40.2	3.3
Gardening and yard work	22.7	23.9	53.4	74.3	16.8	8.9
Making and fixing things	12.0	35.7	52.2	54.7	30.9	14.4
Hobbies, musical instrument	22.9	40.7	36.4	35.8	35.8	28.3
Volunteering	46.6	42.7	10.6	53.4	36.6	10.1
Shopping (except groceries)	4.4	45.8	49.8	8.4	48.7	42.9
Reading	6.3	35.6	58.1	10.3	30.9	58.8
Watching TV, video games	1.2	14.8	84.0	3.0	18.4	78.7
Listening to music	1.6	7.0	91.4	0.0	2.0	98.0

Note. Many respondents skipped items in the leisure activity participation section. This resulted in blank responses that ranged from 209 for listening to music to a high of 1,841 for sailing. This wide range in the number of missing responses across items could be taken as evidence that people were not just skipping the whole section, but rather were selectively picking items to respond to. It is possible that these missing responses should have been included in the "never" category but they have instead been excluded from computation of percentages.

## Reasons for Non-Participation in Leisure Activities

Marines who had not recently participated in a particular leisure activity were asked to indicate why they had not. They could choose from several response alternatives: "not available," "inadequate facilities," "too expensive," "low priority," and "not interested." Table 24 shows the frequencies for their responses.

Table 24

Reasons for Non-Participation in Leisure Activities

Activity	Not Available	Inadequate Facilities	Too Expensive	Low Priority	Not Interested
Active sports	12.9	13.1	2.4	47.4	24.1
Working out, running	6.1	15.5	2.3	58.2	17.8
Swimming	12.7	14.7	0.6	41.7	30.3
Watching sports events	13.0	11.4	2.9	33.2	39.5
Golfing	5.8	2.4	2.4	18.1	68.4
Tennis and racquet sports	3.9	9.4	1.2	22.5	63.0
Sailing	7.9	3.4	12.8	17.1	58.8
Camping, hiking, and outdoor activities	7.3	10.2	6.0	37.4	39.1
Fishing, boating	8.2	6.5	14.1	37.4	33.9
Dining out	3.0	7.0	67.4	17.1	5.4
Picnics, pleasure drives	11.2	9.3	8.4	43.2	28.0
Movies	3.0	6.7	53.3	29.4	7.6
Clubs, bars	2.4	9.0	26.6	22.6	39.4
Time with friends, relatives	30.8	7.7	18.3	33.1	10.1
Club meetings, activities	8.2	2.6	1.4	20.2	67.6
Church activities	4.8	5.2	1.0	32.1	56.9
Playing cards, indoor games	5.6	2.8	1.9	41.4	48.3
Classes, lectures	10.4	5.4	4.3	21.5	58.4
Concerts, plays	19.2	10.0	19.9	16.5	34.3
Museums, exhibits	25.5	12.4	6.3	19.4	36.5
Gardening, working in yard	32.7	7.4	1.6	14.5	43.8
Making and fixing things	33.6	7.4	4.0	19.5	35.6
Hobbies, painting, musical instrument	15.4	7.4	8.3	30.6	38.3
Volunteering	9.6	2.4	0.8	31.3	56.0
Shopping	4.5	5.5	51.9	23.2	14.9
Reading	4.7	3.1	2.6	53.9	35.6
Television, video games	11.6	14.4	8.9	47.9	17.1
Listening to music	9.3	17.4	12.8	53.5	7.0

Social Comparisons

When asked to compare their current leisure with what they thought their leisure would be like in civilian life, respondents were surprisingly positive. Nearly three-fourths (74.7%) said their current leisure was a little to much more enjoyable than it would be if they were civilians. Only 6.5 percent chose negative responses. Those never married tended to view this issue more positively than their married counterparts, while the married and formerly married both had a high percentage who said the two were about the same. There was no significant correlation between comparison of current leisure with potential leisure as a civilian, and overall domain satisfaction with leisure.

A second comparison was made, this one between current leisure and leisure at other places where the individual had been stationed since joining the Marine Corps. Results were again positive, though less so, with only 28.5% choosing positive responses, and 43.7% choosing negative.

### Salience

Salience of leisure and recreation was moderately high, with a mean score (2.8) just up into the "a great deal" range of the scale. A small but significant correlation ( $r = .13, p = .000$ ) was found between the amount of time spent thinking about leisure activities and feelings about leisure. A significant but weak correlation ( $r = .18, p = .000$ ) between salience and cognitive assessment indicated a slight tendency for those who thought least often about leisure activities to be most satisfied overall with their leisure and recreation.

### Variables Predicting Positive Assessment of Leisure and Recreation

Stepwise multiple regression procedures revealed that satisfaction with the amount of leisure time was the best predictor of overall satisfaction with leisure and recreation for married Marines, but that facilities was the best predictor for the unmarried. The same potential predictors were tested for each group, with facet satisfactions and feelings about leisure and recreation emerging as the combination of variables that best predicted domain satisfaction. Tables 25 and 26 provide summaries of the analyses (only measures contributing at least a one percent increase in the accounting for variance are shown). As inferred, comparison measures served as poor predictors of domain satisfaction.

Table 25

#### Multiple Regression Predicting Married Marines' Overall Satisfaction With Leisure Time

Variable	Multiple R	R <sup>2</sup>	Beta
Satisfaction with amount of leisure time	.71	.51	.71
Satisfaction with variety of activities	.84	.70	.47
Satisfaction with facilities provided	.85	.73	.26
Overall feeling about leisure time	.86	.74	.14
Satisfaction with cost of activities	.87	.75	.12
Comparison with last duty station	.87	.75	.07
Comparison with civilians	.87	.75	-.04

**Table 26**  
**Multiple Regression Predicting Unmarried Marines'**  
**Overall Satisfaction With Leisure Time**

Variable	Multiple <i>R</i>	<i>R</i> <sup>2</sup>	Beta
Satisfaction with facilities provided	.70	.48	.69
Satisfaction with amount of leisure time	.77	.60	.37
Overall feeling about leisure time	.82	.68	.32
Satisfaction with variety of activities	.83	.70	.19
Satisfaction with cost of activities	.83	.70	.05
Comparison with last duty station	.83	.70	-.03
Comparison with civilians	.83	.70	.02

Overall satisfaction and the facet satisfactions were used in multiple regression procedures with feelings about leisure as the dependent variable. For both married and unmarried Marines, only about 28 and 39 percent, respectively, of the variance could be accounted for. In each case overall domain satisfaction accounted for much of that percentage by itself. Refer to Tables 27 and 28 for summaries of these regressions.

**Table 27**  
**Multiple Regression Predicting Married Marines'**  
**Feelings About Leisure Time**

Variable	Multiple <i>R</i>	<i>R</i> <sup>2</sup>	Beta
Overall satisfaction with leisure time	.50	.25	.50
Satisfaction with amount of leisure time	.52	.27	.19
Comparison with last duty station	.53	.28	.09
Satisfaction with cost of activities	.53	.28	.05
Satisfaction with variety of activities	.53	.28	-.03
Satisfaction with facilities provided	.53	.28	.01
Comparison with civilians	.53	.28	-.002

**Table 28**  
**Multiple Regression Predicting Unmarried Marines'**  
**Feelings About Leisure Time**

Variable	Multiple <i>R</i>	<i>R</i> <sup>2</sup>	Beta
Overall satisfaction with leisure time	.58	.33	.58
Satisfaction with variety of activities	.60	.36	.22
Satisfaction with amount of leisure time	.62	.38	-.18
Comparison with last duty station	.62	.39	.09
Satisfaction with facilities provided	.62	.39	-.07
Comparison with civilians	.62	.39	-.02
Satisfaction with cost of activities	.62	.39	.02

## **Summary of the Leisure and Recreation Domain**

Responses to the questions in this section of the survey show that the Marines at Camp Lejeune tended to feel fairly positively about their leisure. Positive feelings increased with rank, and Whites and Hispanics were more positive than were Blacks or Others. Overall satisfaction with leisure and recreation was close to neutral, neither satisfied nor dissatisfied. With only a few exceptions (e.g., dining out, movies) personal interest and preference account more for non-participation than any other reason. Not surprisingly, single Marines frequent the bars and clubs more than their married counterparts. For most of the women and men in the sample, current leisure compares very favorably with potential leisure as civilians, but not too favorably with the leisure they might be enjoying if stationed elsewhere in the Marine Corps.

## **The Health Domain**

Because it exerts profound effects on all other areas of a person's life, health is perhaps one of the central contributors to overall QOL. However, it may be that those who are young and those who are fit take their health for granted, whereas those who have lost their health or suffer from impairment are most keenly aware of the effects of health on QOL.

The United States has been called a health-conscious society--even if the prescriptions for a healthy life-style are honored more in the breach than in practice. The fitness aspect of health, at least, has always been a part of life in the Marine Corps. Because of the stringent entrance requirements and the extant fitness programs that are characteristic of service as a Marine, health issues were not expected to be a problem for survey respondents. That expectation was generally supported by the data.

### **Affective Evaluation of Health**

Three out of four Marines in the Camp Lejeune sample (76.9%) reported feeling "pleased" to "delighted" about their health. Another 11.3 percent felt "unhappy" to "terrible" about their health, while 11.7 percent chose a neutral response.

Subgroup comparisons revealed only two significant differences: senior enlisted were more positive about health than junior enlisted, but junior officers were more positive than senior; and, married were most positive, never married least, and formerly married in the middle. No significant differences were found for race or gender.

Most of these Marines (82.0%) had attained a First Class score on their most recent physical fitness test (PFT), and less than two percent (1.8%) had failed. The mean number of days missed from work in the past year due to illness or injury was 5.3.

Almost seven out of 10 respondents (69.0%) were non-smokers. Significant differences were found between smokers and non-smokers in terms of feelings about this domain, with non-smokers feeling better about their state of health. Significant differences also existed between feelings about health and PFT scores, with feelings increasing in positive aspect linearly with PFT score, from failure to First Class.

### **Cognitive Evaluation of Health**

Six facet satisfaction and one overall satisfaction items were used in the cognitive measurement of satisfaction with health. Overall satisfaction with health correlated positively with the affective measure described previously ( $r = .72, p < .000$ ). The mean response to the overall satisfaction item was 5.30, corresponding to "somewhat satisfied" on the seven-point scale. Analyses found that only 14.1 percent of the Marines sampled indicated dissatisfaction with their health, while 75.3 percent expressed some degree of satisfaction.

One-way analyses of variance were conducted to isolate the effects of gender, race, rank, marital status, smoker status, and PFT score on overall satisfaction with health. Significant differences were found for rank, marital status, smoker status, and PFT score. As would be

expected, non-smokers and those who scored higher on the PFT were more satisfied with their health, and satisfaction increased linearly with rank grouping.

Marines were asked to indicate their satisfaction with six specific aspects of their health: weight, energy level, sleeping patterns, endurance, medical care, and dental care. Table 29 depicts the intercorrelations among these facet satisfactions. Energy level and endurance were most highly correlated with overall satisfaction with health. For this sample of Marines, mean satisfaction scores were highest for overall satisfaction with health (5.30) and endurance (5.00). Showing the lowest mean satisfaction level was medical care (4.54).

**Table 29**

**Intercorrelations of Specific and Overall Satisfactions with Health**

Specific Satisfactions	Sat1	Sat2	Sat3	Sst4	Sat5	Sat6	Overall Satisfaction with Health
1. Weight		.51	.29	.44	.15	.14	.44
2. Level of energy			.53	.68	.34	.26	.62
3. Sleep habits				.45	.29	.28	.53
4. Endurance					.26	.21	.69
5. Medical care						.64	.38
6. Dental care							.26

Notes.

1. All correlations are significant at  $p < .0001$ .
2. Pairwise deletion of missing cases resulted in  $n = 1,106$  to  $1,118$ .

**Assessment of Medical and Dental Care**

Unlike the items that elicited perceptions about personal health, questions concerning medical and dental care asked the respondent to evaluate services provided by others. Mean satisfaction with medical care was 4.54, and for dental care it was 4.58; both are lower than the mean overall satisfaction with health, which was 5.30.

Three-quarters (77.9%) of those sampled lived within 20 minutes of the nearest military medical facility, and 95.2 percent were within a 40-minute drive. Analysis of variance revealed that overall satisfaction with health was not related to the time it took to get to the nearest military medical facility.

Those who had dependents were asked several additional questions: (1) whether they carried supplemental CHAMPUS coverage; (2) the type of medical insurance or medical care their dependents used most often; (3) their satisfaction with medical and dental care received by their dependents; and (4) whether any of their dependents had special medical needs.

Thirty-eight percent (38.5%) had supplemental CHAMPUS insurance coverage. Frequency analyses showed that military medical facilities were used most often (49.7%), followed by CHAMPUS (37.8%). Very few respondents used CHAMPUS Prime (1.0%), group HMO (0.2%),

group fee-for-service policies (0.5%), private HMO (1.4%), or private fee-for-service (2.1%). Analyses of variance revealed that no significant effects on satisfaction with either dependent medical or dental care could be attributed to type of medical facilities or insurance coverage for dependents. Highest mean satisfaction levels for medical care went to private fee for service (4.67) and military medical facilities (4.18); highest satisfaction for dependent dental care was with private fee for service (4.67) and group fee for service (4.00).

Slightly less satisfaction was expressed by these Marines for dependent medical care than for the medical care they themselves received. The same relationship held true in the case of dental care.

Respondents with dependents were asked whether any of those dependents had special medical needs. Of the 40.8 percent of respondents having dependents with special medical needs, 5.3 percent indicated a spouse, 3.3 percent indicated a dependent child living with them, 1.2 percent a dependent child not living with them, and 0.4 percent a parent or other dependent. Marines having dependents with special medical care needs were significantly less satisfied than other Marines with both the medical and dental care their dependents received.

### **Saliency**

Forty-three percent (43.1%) of the Marines surveyed reported that their health was on their mind "quite a bit" to "all the time." Another 25.7 percent answered with the response "once in a while," and 31.3 percent said "seldom" to "not at all."

On the face of it, these figures indicate a rather heavy concern with health issues, that is, high saliency for this domain, which most often would tend to be associated with health problems. As is true for Americans in general, Marines without health problems tend to show little concern for health issues. However, it may be conjectured that what is driving these figures higher is not concern for health at a global level, but a more specific concern for fitness, something very much on the minds of all Marines, and critical to the organization itself.

### **Social Comparisons**

Comparing their current health with what their health would be if they were a civilian, 42.7 percent felt the two were about the same; 24.5 percent thought their current health was worse, 32.8 percent thought it better. Comparing their own health to that of other Marines, 45.3 percent thought themselves to be healthier, 13.5 percent thought they were less healthy than their contemporaries, and 40.8 percent felt about equal. Analyses of variance found no significant effects on comparison with civilians for either smoker status, but did for PFT score. However, both smoker status and PFT score significantly affected comparison with other Marines, smokers and lower scoring individuals tending to rate their own health lower by comparison.

### **Variables Predicting Positive Assessment of Health**

A step-wise regression was used to identify the combination of factors best predicting overall satisfaction with health. Included in the analysis were: the six facet satisfactions, rank, saliency, and social comparison measures. For these Marines, satisfaction with endurance was the top

predictor of overall satisfaction with health, accounting, by itself, for 48 percent of the variance. Other important predictors were sleep (an additional 5% of the variance), comparison with other Marines (an additional 4%), and salience (an additional 3%).

Another stepwise regression was conducted to determine the best predictors of positive affective assessment of health. With respect to the D-T health domain measure, overall satisfaction with health was the strongest predictor, accounting for nearly 51 percent of the variance; comparison with fellow Marines was second, accounting for an additional 2 percent of the variance, and comparison with civilians was third, accounting for another two percent. Results of the regressions are found in Tables 30 and 31.

**Table 30**

**Multiple Regression Predicting Overall Satisfaction With Health**

Variable	Multiple R	R <sup>2</sup>	Beta In
Satisfaction with endurance	.69	.48	.69
Satisfaction with sleep	.73	.53	.26
Social comparison with other Marines	.76	.57	.21
Saliency	.76	.60	.17
Satisfaction with medical care	.79	.62	.16
Satisfaction with energy	.80	.64	.14
Social comparison with civilians	.80	.65	.12
Satisfaction with weight	.81	.65	.09
Satisfaction with dental	.81	.65	-.04

**Table 31**

**Multiple Regression Predicting Feelings About Health**

Variable	Multiple R	R <sup>2</sup>	Beta In
Overall satisfaction with health	.72	.51	.72
Social comparison to other Marines	.73	.53	.16
Social comparison to other civilians	.74	.55	-.14
Satisfaction with sleep	.75	.56	.09
Saliency	.75	.56	.07
Satisfaction with endurance	.75	.56	-.07
Satisfaction with dental	.75	.56	.04
Satisfaction with weight	.75	.57	-.03
Satisfaction with energy	.75	.57	.04
Medical care	.75	.57	.01

## Summary of the Health Domain

Few of the Marines at Camp Lejeune (11.3%) reported feeling negative about the state of their health. In fact, three out of four (76.9%) said they were "pleased" to "delighted" about their health. There were no subgroup differences for gender or race. However, senior enlisted were more positive about health than junior enlisted, junior officers were more positive than senior; and, married were most positive, never married least, and formerly married in the middle. As would be expected, non-smokers and higher performers on the PFT tended to feel better about their state of health.

Mean overall satisfaction with health was 5.30, with 75.3 percent expressing some degree of satisfaction with their health. As with the affective measure, non-smokers, high scorers on the PFT, and higher ranked individuals scored higher as well on the cognitive evaluation (i.e., overall satisfaction with health). Endurance and energy level were most highly correlated with overall satisfaction.

Mean satisfaction with both medical care (4.54) and dental care (4.58) was moderate. There was no relationship between driving time to nearest military medical facility and overall satisfaction with health.

In this sample of Camp Lejeune Marines, almost four out of ten (38.5%) carried CHAMPUS supplemental insurance. For dependent health care, military medical facilities were used most often, followed by CHAMPUS. Highest satisfaction for medical care went to private fee for service and military medical facilities, whereas for dependent dental care, it was private fee for service and group fee for service. No relationship was found between overall satisfaction and source of treatment received by dependents. Respondents expressed somewhat less satisfaction with medical and dental care for their dependents than for themselves.

The best predictor of overall satisfaction with health was satisfaction with endurance. Best predicting positive affective evaluation of personal health was overall satisfaction with personal health.

## **The Friends and Friendships Domain**

For many, friendships and other interpersonal relationships contribute greatly to life's meaning and satisfaction, and form an important part of an individual's social support mechanism. Service in the Marine Corps potentially has dual and somewhat contradictory effects in this domain. The nature of the work impels close interactions and interdependencies, whereas periodic relocation exposes the individual Marine to many new acquaintances; that same mobility, however, may prove inimical to long-term, deep, and lasting relationships.

### **Affective Evaluation of Friends and Friendships**

The great majority (69.4%) of Marines in the Camp Lejeune sample expressed positive feelings about their friendships; 28.6 percent were "mostly pleased," 30.8 percent were "pleased," and 10.0 percent said they were "delighted." Only 12.3 percent selected a negative response, and 18.4 percent were "neither happy nor unhappy."

Neither tenure in the Marine Corps nor months at Camp Lejeune was significantly related to affective evaluation of friendships. There were no subgroup differences by race, gender, marital status, or age.

### **Cognitive Evaluation of Friends and Friendships**

Four facet satisfaction items and one overall satisfaction item were used for the cognitive assessment in this domain. Facet satisfactions included: amount of time spent socializing with friends, number of Marine Corps friends, number of civilian friends, and support and encouragement received from friends. Mean overall satisfaction was 5.27, in the "somewhat satisfied" range. A positive response was chosen by 72.7 percent of the respondents, with only 10.2 percent choosing a negative.

With respect to facet satisfactions, Marines were most satisfied with support and encouragement received from friends, with a mean score of 5.24; number of Marine friends followed with a mean score of 5.22. Support and encouragement received from friends was most closely correlated with overall domain satisfaction ( $r = .75, p = .000$ ). Intercorrelations among the facet satisfactions, and the correlation of each facet satisfaction with overall satisfaction are shown in Table 32.

Table 32

**Intercorrelations of Specific and Overall Satisfaction  
With Friendships**

Specific Satisfaction	Intercorrelations				Correlations with Overall Satisfaction
	Sat1	Sat2	Sat3	Sat4	
Amount of time you socialize with friends		.54	.34	.43	.57
Number of Marine Corps friends			.38	.54	.62
Number of civilian friends				.44	.55
Support and encouragement received from friends					.75

**Notes.**

1. All correlations are significant at  $p < .0001$ .
2. With pairwise treatment of missing values,  $n$  for these analyses ranged from 1,095 to 1,112.

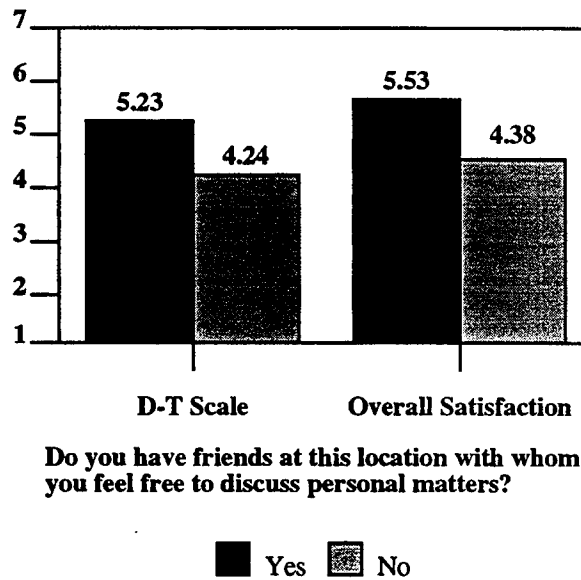
**Characteristics of Friends**

Half of the Marines in the sample (54.3%) said their close friends were mostly fellow Marines at Camp Lejeune; 25.4 percent said most of their close friends were civilians back home. Overall satisfaction with this area of life was highest for those whose closest friends were in the Camp Lejeune area (both civilians and fellow Marines). Similarly, feelings about friendships were most positive for respondents whose closest friends were civilians and fellow Marines in the Camp Lejeune area.

Three out of four respondents (77.4%) said they had friends locally with whom they could discuss personal matters. However, that leaves a sizeable percentage who do not have this important social support. And, indeed, the two groups differed significantly on both affective and cognitive evaluations of friendships. Those who had friends in the local area with whom they could discuss personal matters had a mean score of 5.23 on feelings about friendships (D-T scale), while the other group had a mean of only 4.24. Differences between the two groups were even greater with respect to overall satisfaction with friendships, where the group means were 5.53 and 4.38, respectively. The differences are graphically illustrated in Figure 1.

Those Marines having close friends locally with whom they could discuss personal matters were asked to describe those friends. By far the largest number (70.2%) said those friends were fellow Marines with whom they interacted socially on a regular basis. Both married and unmarried respondents said that most of the time spent with friends was at their own or their friend's residence; a distant second location was recreational facilities for the unmarried, sports facilities for the married.

Marines who did not have friends locally with whom they could discuss personal matters tended to have less time at present assignment, but the mean difference was less than two months. Race, rank, gender, and marital status did not distinguish the two subgroups.



**Figure 1. The effect of having a friend with whom to discuss personal matters on summary evaluation of friendships.**

### Social Comparisons

When asked whether it was easier to make friends as a Marine or as a civilian, 39.1 percent said it was about the same; 31.6 percent thought it was harder as a Marine, 29.3 percent easier. Marital status, rank, and gender made no difference on this variable. Racial differences were significant. Whites reported finding it easier than Blacks; Hispanics found it even more difficult to make friends, and individuals in the Other category found it easiest.

Respondents were also asked to make a comparison between themselves and other Marines on number of friends. Subgroup comparisons showed that Whites reported having the most friends, followed by Hispanics, Other, and Blacks in that order. Marital status, gender, and rank had no significant effect. Overall, half the respondents (50.1%) said they had about the same number of friends as their contemporaries, 30.0 percent said fewer and 19.8 percent said they had more.

### Salience

With a mean of 3.98, salience was moderate, near the midpoint of the scale. One-third of the Marines in the sample (36.4%) said they had friends on their mind "quite a bit" to "almost all the time." About the same number (32.6%) answered "once in a while," and 31.0 percent said "seldom" to "not at all." Salience, that is, having friends on one's mind, was not significantly correlated with cognitive evaluation (overall satisfaction with friends and friendships) and only very weakly correlated with affective evaluation of this domain (feelings about friends and friendships) ( $r = .09, p = .001$ ).

## Variables Predicting Positive Assessment of Friends and Friendships

Stepwise multiple regression procedures were used to identify the combination of factors that would best predict positive affective and cognitive assessments of this domain. Variables included facet satisfactions, comparisons, salience, and rank.

With respect to overall satisfaction, the four facet satisfactions clearly were the best predictors. Comparisons, rank, and salience accounted for little of the variance. In turn, overall satisfaction with friends and friendships was the single best predictor of positive feelings about this domain, with the comparison factors adding to the strength of the prediction. Tables 33 and 34 summarize the results of the regressions.

**Table 33**

### Multiple Regression Predicting Overall Satisfaction With Friends and Friendships

Variable	Multiple R	R <sup>2</sup>	Beta In
Satisfaction with support and encouragement received	.75	.56	.75
Satisfaction with amount of time socializing with friends	.80	.64	.31
Satisfaction with number of civilian friends	.82	.68	.21
Satisfaction with number of Marine Corps friends	.83	.69	.18
Comparison--civilian	.84	.70	.07
Comparison--other Marines	.84	.70	-.05
Rank	.84	.70	-.02
Salience	.84	.70	.01

**Table 34**

### Multiple Regression Predicting Feelings About Friends and Friendships

Variable	Multiple R	R <sup>2</sup>	Beta In
Overall satisfaction with friend and friendships	.65	.43	.65
Comparison--other Marines	.67	.44	.13
Comparison--civilian	.67	.45	-.07

## Summary of the Friends and Friendships Domain

Almost three out of four of these Camp Lejeune Marines (69.4%) felt positive about their friendships. An even higher percentage (72.7%) expressed overall satisfaction with this area of their lives. Support and encouragement received from friends most closely correlated with overall satisfaction, and, of the four facet satisfactions, that one received the highest mean satisfaction score.

Half (54.3%) of those in the sample had for their closest friends civilians in the local area and fellow Marines at Camp Lejeune, and 77.4 percent of the respondents had friends in the local area with whom they could discuss personal matters, usually at their own or their friend's residence. Most felt that making friends as a Marine and as a civilian had about equal difficulty or that it was easier as a Marine. Half said they had about as many friends as did other Marines.

This domain showed moderate salience. The four facet satisfactions were the best predictors of overall satisfaction, and overall satisfaction was the best predictor of positive feelings about friends and friendships.

## **The Marriage and Intimate Relationships Domain**

Without question, intimate relationships, of which marriage is one, hold a central position in the lives of most individuals. In addition to exerting powerful influences on perceptions of Quality of Life in general, the quality of those relationships, and satisfaction or dissatisfaction with them, often have profound effects on other domains of life, quite often the workplace.

An additional variable was created to make the analyses more faithful to current social realities. Most analyses for this section of the questionnaire were conducted separately for married Marines, for those involved in an intimate relationship, and for those who were not involved. Marines not involved in an intimate relationship were not asked some of the questions, for obvious reasons.

Within the total sample, 48.0 percent were married. One-fourth (24.6%) were unmarried and involved in an intimate relationship, whereas 31.7 percent were unmarried and not involved. An overwhelming percentage (90.8%) of the uninvolved had never been married; separated, divorced, and widowed accounted for only 9.2 percent of them. In terms of the total sample, E-2 to E-4s had the highest percentage never married (62.4%) and the highest percentage uninvolved in any serious relationship (35.4%). Next came O-1--O-4s with 40.4 percent never married and 19.2 percent not seriously involved. Mean age for the uninvolved subgroup was 22.3, compared with a mean of 24.5 for the entire sample.

Male Marines were less likely than female Marines to be married or involved in an intimate relationship; females showed the lowest percentage of non married, not involved. Other had the highest percentage of uninvolved (40.0%), followed by Whites at 29.9 percent, Hispanics at 26.1 percent, and Blacks at 21.2 percent.

### **Affective Evaluation of Marriage and Intimate Relationships**

Asked to indicate their feelings about their marriages or intimate relationships, more than half of these Camp Lejeune Marines (57.3%) answered in positive terms (i.e., "mostly pleased" to "delighted"); those feeling "mostly unhappy" to "terrible" totaled 28.1 percent. The sample mean response was 4.64, about midway between neutral and "mostly pleased."

Significant subgroup differences were found. With respect to age, the youngest respondents had the lowest mean score on the D-T scale. Positive affective evaluation increased linearly with age groups, but gender and race differences were not significant. Lower ranking enlisted and officer personnel scored lower on affective evaluation than their more senior contemporaries. As might be expected, married individuals were most positive about their intimate relationships, those involved somewhat less so, the uninvolved least. The married were also more pleased with their relationships than were the formerly married, both groups being more pleased than those never having been married.

Differences were also very apparent among the various involvement subgroups. Mean response for affective evaluation was 5.47 for married Marines, compared to 4.64 for single, involved; more than a full point below them were the single, uninvolved, with a mean of 3.21. The uninvolved group had 57.4 percent feeling negative about their relationships; in contrast, three out of four of the married (77.7%), and 60.9 percent of the single involved expressed positive feelings

about their relationships. The formerly married who were involved in an intimate relationship had 38.7 percent in the pleased response categories (with a mean of 4.08), compared with 60.0 percent of the formerly married but not involved who indicated being unhappy about their relationships. Those never having been married and not currently involved were also unhappy, with 57.2 percent giving negative responses (mean of 3.20).

While it could be conjectured that length of time in a relationship might have an effect on feelings about that relationship, neither for the married nor for the unmarried involved respondents was there any significant relationship between length of the relationship and affective evaluation of the relationship using the D-T scale.

### Cognitive Evaluation of Marriage and Intimate Relationships

Six facet satisfactions (love and understanding, communication, the way in which conflicts are resolved, partner's support for military career, compatibility of interests, and the sexual aspect of the relationship) and one measure of overall satisfaction were used in the cognitive evaluation. Eighty-six percent (85.9%) of the married Marines chose a positive response for the overall satisfaction item; the unmarried involved Marines had even more in that category, 88.5 percent. Mean satisfaction scores were 5.95 for the married, and 6.05 for the single involved. Single, not involved had only 22.2 percent responding on the positive end of the scale, with a mean satisfaction score of 3.22.

Intercorrelations among the various facet satisfactions varied from two highs of .79 (between love and understanding and communication, and between communication and conflict resolution) and a low of .45 between partner's support for military career and the sexual aspect of the relationship. However, all intercorrelations were positive and significant ( $p = .000$ ). Each of the facet satisfactions correlated positively with overall satisfaction. Most highly correlated was love and understanding received ( $r = .83$ ), while partner's support for military career was lowest ( $r = .55$ ). Table 35 shows the intercorrelations among the facet satisfactions, as well as the correlation between each facet and overall satisfaction.

Table 35

#### Intercorrelations of Specific and Overall Satisfaction With Marriage/Intimate Relationship

Aspect	Specific Satisfactions						Overall Domain Satisfaction
	Sat1	Sat2	Sat3	Sat4	Sat5	Sat6	
1. Love and understanding		.79	.74	.59	.66	.61	.83
2. Communication			.79	.56	.64	.60	.75
3. Conflict resolution				.59	.68	.56	.74
4. Support for military career					.50	.45	.55
5. Compatibility of interests						.62	.71
6. Sexual aspect							.74

Note. All correlations are significant at  $p < .0001$ .

Subgroup analyses revealed differences between the facet satisfaction responses of the married and the involved Marines. As can be seen in Table 36, the mean responses of these two subgroups differ significantly on only two items: partner's support for military career and compatibility of interests. With respect to the first element, the single but involved are less satisfied than the married, whereas on the second, the single are more satisfied. However, the mean responses indicate that members of both groups are at least somewhat satisfied with all of the separate elements.

Table 36

**Mean Ratings of Satisfaction With Marriage/Intimate Relationship by Involvement Status**

Satisfaction	Married Respondents			Involved Respondents			<i>t</i>
	<i>n</i>	<i>M</i>	<i>SD</i>	<i>n</i>	<i>M</i>	<i>SD</i>	
Love and understanding	521	5.93	1.40	234	6.00	1.34	-.73
Communication	521	5.63	1.55	234	5.48	1.60	1.07
Conflict resolution	521	5.57	1.51	231	5.71	1.39	1.18
Support for military career	518	5.83	1.47	232	5.51	1.28	2.65*
Compatibility of interests	518	5.70	1.48	233	5.97	1.28	1.34*
Sexual aspect	516	5.88	1.56	232	6.10	1.54	-1.82
Overall domain satisfaction	519	5.95	1.47	234	6.05	1.30	-.94

\**p* < .01.

\*\**p* < .001.

Analysis by length of time in the relationship showed that, while 16.1 percent of the married Marines had been in a relationship of 12 months or less, 42.3 percent of the unmarried-involved had relationships of 12 months or less. Length of relationship was not significantly correlated with either facet or overall satisfaction items.

**Social Comparisons**

All respondents, regardless of relationship category, were asked to compare their current relationship situation to the one they might be enjoying as a civilian. Very few (6.4%) compared their current relationship situation favorably. "About the same" was the response of 26.6 percent, whereas 67.0 percent thought their relationship situation would be better if they were civilians.

There were several subgroup differences. Junior enlisted and senior officers had the highest mean scores, and, closely related, mean scores decreased with age. (The higher the mean score, the more the individual thinks things would be better in civilian life.) Women had a lower mean score than men. Racial differences were not significant. The comparison was most favorable to the Marine Corps on the part of the married, least favorable among the single, never married. Single Marines, both involved and not involved in intimate relationships at the time of the survey, felt more strongly than married Marines that their relationship situation would be better if they were civilians.

In a second comparison, this time between their own relationship situation and those of their Marine peers, 42.6 percent said the two were about the same; 16.7 percent thought theirs was worse, 40.7 percent thought theirs was better. E-2 to E-4s compared themselves least favorably with their peers in this regard, senior officers most positively. Comparisons of self and contemporaries were increasingly positive with age. Those who were never married compared their situation least favorably, while those formerly married were more positive, and those currently married most positive. The married Marines were also more positive in comparing their current situation with that of their peers than either the unmarried involved or unmarried not involved. Gender and race had no significant effects on this comparison.

## **Salience**

Marines were asked how often marriage or intimate relationships had been on their mind lately. From one-fifth of those in the sample who were married (19.2%), the answer was "almost all the time." Approximately equal percentages were recorded for "a great deal" (18.1%), "quite a bit" (18.3%), and "once in a while" (20.2%). For singles involved in an intimate relationship, salience was even higher: 82.8 percent answered in the "quite a bit" to "almost all the time" categories. Even for those not involved in an intimate relationship at the moment, salience was high, with 69.3 percent choosing one of the top three responses. A weak positive correlation was found between the affective evaluation of this domain and salience, but no significant correlation was found between salience and cognitive evaluation.

Subgroup comparisons on this measure revealed no significant differences by race or gender. There were, however, differences by age, and by age-associated variables of rank, marital status, and relationship status. Salience decreased with age. Junior enlisted tended to have relationships on their mind more than senior enlisted, junior officers more than either senior officers. Single, never married and formerly married both scored higher on salience than the married. Married Marines had relationships on their mind less than those who were single but involved, and those not involved in an intimate relationship scored highest on salience.

## **Variables Predicting Positive Assessment of Marriage and Intimate Relationships**

Stepwise regression was used to identify the combination of variables that best predicted positive assessment of the marriage and intimate relationships domain. Variables included six facet satisfactions, comparisons, time in the relationship, and salience. The analyses were conducted separately for those married and those single but involved in an intimate relationship.

With respect to the married subgroups overall satisfaction with marriage and intimate relationships, four facet satisfactions accounted for 87 percent of the variance. As can be seen in Table 37, compatibility of interests by itself accounted for 72 percent; love and understanding received added another 12 percent. Satisfaction with the sexual aspects of the relationship and compatibility of interests together accounted for another three percent.

Somewhat less of the variance was explained by the candidate variables in the case of single Marines involved in an intimate relationship. In this case, four factors, again all facet satisfactions, together accounted for approximately 66 percent of the variance, with the most powerful predictors being love and understanding received, compatibility of interests, the sexual aspect of the

relationship, and communication. As shown in Table 38, the best predictors for the involved overlapped greatly with those for married Marines.

**Table 37**

**Multiple Regression Predicting Overall Satisfaction  
With Marriage**

Variable	Multiple <i>R</i>	<i>R</i> <sup>2</sup>	Beta In
Compatibility of interests	.85	.72	.85
Love and understanding	.92	.84	.47
Sexual aspect	.92	.85	.21
Communications	.93	.87	-.36
Saliency	.94	.88	-.05
Compared to other Marines	.94	.88	.02
Support for military career	.94	.88	.02
Conflict resolution	.94	.88	-.02
How long in relationship	.94	.88	-.007
Compared to civilians	.94	.88	-.007

**Table 38**

**Multiple Regression Predicting Overall Satisfaction  
With Intimate Relationship**

Variable	Multiple <i>R</i>	<i>R</i> <sup>2</sup>	Beta In
Love and understanding	.73	.54	.73
Interests	.78	.61	.30
Sexual aspect	.80	.64	.21
Communication	.82	.66	.19
Conflict resolution	.82	.67	.14
Saliency	.82	.68	.08
How long in relationship	.83	.68	-.08
Compared to civilians	.83	.68	-.02
Compared to Marines	.83	.68	.02
Support for military career	.83	.68	.01

In predicting positive affective assessment in this domain, five factors accounted for 53 percent of the variance for the married personnel. The strongest predictor was satisfaction with love and understanding received (accounting by itself for approximately 36 percent of the variance), followed by comparison with fellow Marines, salience, and compatibility of interests.

Nearly the same amount of variance was accounted for by the candidate variables in the case of the single, involved Marines. The best predictor (comparison with fellow Marines) accounted

for only 17 percent of the variance. Adding in support for military career, comparison with civilians, overall satisfaction, and compatibility of interests accounted for another 16 percent. Evidently, positive assessment in this domain by the single involved respondents depended on factors not considered in the regressions. Tables 39 and 40 summarize the regressions for affective assessment.

**Table 39**

**Multiple Regression Predicting Feelings About Marriage**

Variable	Multiple <i>R</i>	<i>R</i> <sup>2</sup>	Beta In
Love and understanding	.60	.36	.60
Compared to other Marines	.67	.45	.31
Saliency	.70	.49	.20
Interests	.72	.52	.25
Conflict resolution	.73	.53	-.17
Overall satisfaction with marriage	.73	.53	.13
Sexual aspect	.73	.53	-.07
Length of time in marriage	.73	.53	-.02
Communications	.74	.53	.13
Compared to civilians	.74	.53	.02
Support for military career	.74	.53	.002

**Table 40**

**Multiple Regression Predicting Feelings About Intimate Relationship**

Variable	Multiple <i>R</i>	<i>R</i> <sup>2</sup>	Beta In
Compared to other Marines	.42	.17	.42
Support for military career	.48	.23	.25
Compared to civilians	.52	.27	-.19
Overall satisfaction with intimate relationship	.54	.29	.16
Interests	.58	.34	-.27
Communication	.58	.34	.10
Saliency	.59	.35	.07
Love and understanding	.59	.35	.06
Sexual aspect	.59	.35	.04
Length of time in relationship	.59	.35	.03
Conflict resolution	.59	.35	.03

## Summary of the Marriage and Intimate Relationships Domain

Principal subgroups used for the analyses in this domain were married, involved in an intimate relationship, and uninvolved. The uninvolved made up 31.7 percent of the sample. They were mostly young, junior enlisted and officer personnel, the majority of whom had never been married.

More than half the respondents felt positive about their relationship, while about one in four felt unhappy with their relationship situation. Younger Marines were lowest in affective assessment. Race and gender failed to account for any significant subgroup differences. Married Marines felt better about relationships than did those not having a relationship. Length of time in the relationship seemed to make little difference in feelings about the relationship.

With respect to overall satisfaction in this domain, eight out of ten chose responses on the positive end of the scale. The facet satisfaction most closely correlated with overall satisfaction was satisfaction with the love and understanding received.

## **The Relationships with Children Domain**

A Marine's performance at work and overall quality of life in general both can be severely affected by that individual's relationships with her or his children. Although this has always been true, the breakdown of the typical American family pattern, the dramatic increase in the number of single-parent families, and the often turbulent relations between children and parents during times of rapid social change, all conduce to a heightened interest in this domain.

Because of the many concerns and issues that confront single parents, the analyses for this domain were conducted separately in several areas for single parents and parents with partners. Single parents constituted only 5.8 percent of the sample from Camp Lejeune. However, their unique concerns, and the fact that many individuals endure single parenthood for some time during their lives, make the information contained in this section of increased relevance.

In this sample, the highest percentages of single parents were found among senior enlisted (11.1%) and warrant officers (8.3%)--although there were few in the latter category in actual numbers. Single parenthood was most likely among Blacks (12.3%), Others (5.6%), and Hispanics (5.1%), less so among Whites (4.4%). Average age of the single parents was 27.3, compared with an average of 24.6 for the sample as a whole. Of those with children from previous marriages (8.8 percent of the sample), 26.8 percent had full custody of all the children, 2.1 percent had full custody of some of the children, 33.0 percent had shared custody, and 38.1 percent had no custody. Single parenthood characterized 14.8 percent of the females in the sample, 5.3 percent of the males.

### **Affective Evaluation of Relationships with Children**

Because of varying custody arrangements, respondents were asked to indicate how they felt about the children living with them, and also how they felt about those who were not. Approximately two-thirds (62.70%) of the Marines in this sample from Camp Lejeune had no children living either in or away from the home.

Of those having children living with them, 55.7 percent were "pleased" or "mostly pleased" about their relationships with those children; 21.3 percent marked "neither happy nor unhappy," 15.9 percent were "mostly unhappy," and 6.2 percent felt "unhappy" or "terrible" about the relationships in question. With respect to those not having children living with them, 71.5 percent chose the "pleased" response, with each of the other responses showing relatively equal frequencies at 1-2 percent.

Further analyses showed that neither race nor gender was significantly related to respondents' feelings about relationships with children who were living with them. Feeling worst about these relationships were senior officers, whereas junior enlisted and junior officers felt best about them. Younger Marines tended to feel slightly better about relationships with children who were living with them. Average scores on the D-T scale were more positive for those persons who were not involved in an intimate relationship than for those who were, and married persons were least positive. Married respondents were also less happy about these relationships with children in the home than were divorced, separated, or widowed, and those who had never been married were in the middle. Single parents felt better about relationships with children who were living at home than did married parents.

For the subgroup having children who were not living with them, rank, race, and gender accounted for no significant differences in feelings (affective assessment). Age groups again differed, with those youngest being most positive. In this case, the married were most positive, widowed, separated, and divorced next, with those who had never been married least. By relationship status, married were most pleased, those not involved in an intimate relationship in the middle, and those single involved a distinct last. Married parents felt significantly better about their relationships with children living away from home than did single parents.

### Cognitive Evaluation of Relationships with Children

Cognitive measurement was accomplished using one overall satisfaction and five facet satisfaction items. Three out of four (75.7%) of the Marines responding said they were “somewhat satisfied” to “completely satisfied” overall. Neutral responses were made by 7.8 percent, and those choosing “somewhat dissatisfied” to “completely dissatisfied” comprised only 16.4 percent of the sample. Those who were married were more satisfied than those involved but not married, who, in turn, were much more satisfied than the single, uninvolved; similarly, the married were more satisfied than those never married, while the formerly married were lowest in satisfaction. Parental status also accounted for significant differences, with married parents showing more overall satisfaction with relationships with children to a statistically significant degree than single parents. Rank, race, gender, and age accounted for no subgroup differences.

Table 41 shows the intercorrelations among the facet satisfaction items, plus the correlation of each facet satisfaction with overall satisfaction. The strongest intercorrelation was between quality time spent with children and amount of time ( $r = .58$ ); lowest correlation was between activities available and overall relationship with the children ( $r = .30$ ). Most strongly correlated with overall satisfaction was quality of time spent with the children ( $r = .67$ ). Least correlated with overall satisfaction was activities available for the children ( $r = .30$ ).

**Table 41**  
**Intercorrelations of Specific and Overall Satisfaction**  
**With Relations With Children**

Specific Satisfactions	Sat1	Sat2	Sat3	Sat4	Sat5	Overall Domain Satisfaction
1. Quantity of time spent		.59	.50	.39	.38	.53
2. Quality of time spent			.43	.31	.39	.67
3. Military environment				.58	.48	.40
4. Availability of activities					.38	.30
5. Education						.43

Note. All correlations are significant at  $p < .0001$ .

Married respondents had significantly higher levels of satisfaction for three of the five facet satisfaction items (amount of time spent with their children, quality of time spent with their children, and military environment), and for overall satisfaction. Half the married (46.2%) were dissatisfied with the amount of time spent with their children; 74.6 percent of the singles were

dissatisfied. With respect to quality of time spent together, 24.5 percent of the married were dissatisfied, 52.5 percent of the single. Dissatisfaction with the military environment was 29.5 percent for marrieds, 40.4 percent for the singles. Dissatisfaction with activities available was voiced by almost equal numbers (29.5% for married, 30.4% for single). Fourteen percent (13.7%) of the married expressed dissatisfaction with the education their children received, versus 9.1 percent of the singles.

Most married (78.7%) and single (85.2%) parents thought they would be able to spend more time with their children if they were civilians. Six out of ten (64.8%) married parents and 81.7 percent of single parents thought their relationships with their children would be better if they were civilians. Asked how their relationship with their children compared with the relationships had by other Marines, only 7.3 percent of the married said theirs was worse, versus 40.7 percent of the singles; both groups endorsed the neutral response most frequently, 45.2 and 40.7 percent, respectively.

Overall, satisfaction with education their children were receiving was moderate--approximately half of both married and single parents were satisfied. By far, most sent their children to public schools (62.3%). In second place were Department of Defense schools at 26.2 percent, followed distantly by church school (1.7%), private day school (1.2%) and other (7.6%). Subgroup comparisons showed that the DoD Schools beat public schools in mean satisfaction (5.8 against 5.1) with education received by the children (church and private day schools had too few to consider).

Three additional items addressed satisfaction with child care issues: cost of care, qualifications of the care provider, and safety of the child. Three out of four (76.4%) were satisfied to some degree with the qualifications of their care provider, and only 6.0 percent expressed any dissatisfaction. Similar response patterns existed for safety of the child, with 73.1 percent expressing satisfaction, 7.9 percent dissatisfaction. Cost was another matter, with 28.2 percent being dissatisfied, and another 21.1 percent neutral. T-tests revealed that differences between single and married parents on these three items were not significant. Mean ratings of satisfaction on these three items are shown in Table 42.

**Table 42**

**Mean Ratings of Satisfactions With Child Care Issues**

Issue	<i>n</i>	<i>M</i>	<i>SD</i>
Satisfaction with qualifications of provider	218	5.63	1.42
Satisfaction with cost of child care	213	4.39	1.88
Satisfaction with safety of child while in child care	216	5.46	1.50

Almost all parents (92.8% of the married, 87.3% of the single) indicated they had child care needs for their youngest child. By far the greatest percentage of those married with children (68.4%) indicated that it was their spouse who cared for their youngest child, with small

percentages distributed throughout the other response alternatives. Although the category was single parents, one out of four (25.5%) chose "spouse" as their response. It can only be conjectured that they meant either ex-spouse or their partner in a marital-like relationship. "Other" came in at 25.5 percent also. Relative or older sibling, and civilian home care accounted for 10.9 percent each.

Asked what their most critical child care requirement was, married parents most often chose "occasional baby-sitter" (17.1%), followed by "access to care at any time" (15.9%), and "all-day care for pre-schoolers" (12.8%). Most critical need sighted by single parents was "other" (19.6%), tied with "all-day care for pre-schoolers" (19.6%), and "access to care at any time" followed at 12.5 percent.

Because military parents are subject to being away from home for extended periods of time, respondents were asked two additional questions: (1) If they had to be away from their children for six months or more, who would care for their children; and (2) How certain they were that person would adequately care for their children). The two subgroups differed significantly on the first question ( $p = .000$ ). For the married parents, "spouse" was the most common answer by far (96.3%). For single parents, the responses were more evenly distributed, with "spouse" (again, probably ex-spouse or partner) checked at 41.1 percent, "immediate family member" receiving 32.1 percent of the responses, "other family member" 1.8 percent, and "friend or neighbor" 1.8 percent; "other" was chosen as a response by 23.2 percent.

### **Social Comparisons**

Respondents were asked whether their relationship with their children would be better or worse if they were civilians. Thirty percent (30.0%) thought the two were about equal, while 66.1 percent thought those relationships would be better if they were civilians. Junior and senior enlisted compared their current relationships more negatively (i.e., better as a civilian) than did either officers or warrant officers. Negative comparisons of current relationship decreased with age. Those not involved in any relationship responded most negatively, followed by the single, involved, with married most positive. With respect to marital status, those who were formerly married were much more likely to respond negatively about current relationships with their children than those never having been married; married respondents were least negative about current relationships with their children. Single parents were more negative than married parents. Race and gender accounted for no statistically significant subgroup differences.

Comparing their own situations to those of other Marines, 44.8 percent felt that the two were about the same, 42.8 percent felt their own were better. Positive comparisons increased with rank. Gender and age accounted for no significant differences on this item. Marines in the Hispanic racial category compared themselves most favorably, followed by Other, Blacks, and Whites, in that order. Married respondents compared themselves most favorably, those who were single but not involved came in second, and those single but involved were least likely to make a favorable comparison. Similarly, married were more positive than those never married, who were more positive than those formerly married. Finally, married parents compared their own situation more favorably than did single parents.

## **Salience**

Parents were asked how often their relationships with their children had been on their mind lately. For married parents, the most frequent responses were "almost all the time" (28.7%), "quite a bit" (25.6%), "a great deal" (24.7%), and "once in a while" (17.1%). Single parents responded in a similar pattern, but with higher percentages in the almost all the time (39.3%) and a great deal (32.8%) response categories.

Subgroup comparisons showed that higher salience characterized the junior enlisted and junior officer respondents, senior enlisted scoring lowest. Salience decreased with age. Race and gender accounted for no significant differences. Uninvolved scored higher on salience than either those married or those single but involved. Higher salience was shown by formerly married than single, never married, with lowest salience recorded by the married respondents. Single parents scored higher on salience than married parents.

## **Variables Predicting Positive Assessment of Relationships with Children**

The relative strength of a number of potential predictors of affective and cognitive evaluation of this domain was determined through a multiple regression procedure. Variables included the facet satisfactions, satisfaction with care givers, salience, and the two comparisons.

Together, five factors accounted for 52 percent of the variance in overall satisfaction. The most potent predictor was satisfaction with quality of time spent with children, followed by military environment. Other variables accounting for an additional one percent or more of the variance were: confidence in the caretaker's ability to care for the child during extended absences of the parent, comparison with other Marines, and comparison with civilians. The results of the regression are shown in Table 43.

Prediction of the affective assessment of this domain using the variables provided by the survey was very weak. With respect to feelings about children living with the respondent, even 16 variables together accounted for only 29 percent of the variance. Top predictors, although very weak, were qualifications of the caregiver, overall domain satisfaction, and comparison with civilians.

More of the variance could be accounted for in predicting feelings toward children not living with the respondent. Five variables together could account for 49 percent of the variance. Top predictors were children from previous marriage and quality of time spent with the children. Tables 44 and 45 summarize the results of the regression for affective assessment, for children living with the respondent and for children not living with the respondent, respectively.

Table 43

**Multiple Regression Predicting Overall Satisfaction  
in the Children Domain**

Variable	Multiple R	R <sup>2</sup>	Beta
Satisfaction with quality of time	.69	.48	.69
Military environment	.71	.50	.16
Ability of person	.72	.52	-.12
Compared to other Marines	.72	.52	.08
Compared to civilians	.72	.53	-.07
Saliency	.73	.53	-.08
Relations with children living with me	.73	.54	.07
Relations with children not living with me	.73	.54	.06
Safety	.74	.54	.06
Qualifications of person caring for children	.74	.55	-.18
Satisfaction with education	.74	.55	.05
Satisfaction with amount of time	.74	.55	.05
Satisfaction with activities available	.74	.55	-.02

Table 44

**Multiple Regression Predicting Feelings About Relations  
With Children Living With the Respondent**

Variable	Multiple		
	R	R <sup>2</sup>	Beta
Qualifications of person caring for children	.33	.11	.33
Satisfaction with relationship overall	.41	.17	.25
Relationship with children compared to civilians	.44	.19	.16
Military environment	.46	.22	-.15
Satisfaction with the cost of children	.48	.23	.17
Satisfaction with quality of time	.49	.24	-.11
Saliency	.50	.25	-.12
Time with children compared to civilians	.51	.26	.09
Satisfaction with education	.52	.27	-.08
Number of children	.53	.28	.09
Ability of person	.53	.28	-.08
Compared to other Marines	.54	.29	.08
Satisfaction with activities available	.54	.29	.05
Satisfaction with amount of time	.54	.29	.06
Safety	.54	.29	.06
Relations with children from a previous marriage	.54	.29	-.03

Table 45

**Multiple Regression Predicting Feelings About Relations  
With Children Not Living With the Respondent**

Variable	Multiple R	R <sup>2</sup>	Beta
Relations with children from a previous marriage	.64	.40	-.64
Satisfaction with quality of time	.68	.46	.24
Time with children compared to civilians	.68	.47	.08
Relationship with children compared to civilians	.70	.49	-.17
Satisfaction with education	.70	.49	-.07
Compared to other Marines	.70	.49	-.06
Satisfaction with activities available	.70	.50	.06
Military environment	.71	.50	-.10
Number of children	.71	.51	-.07
Qualifications of person caring for children	.72	.51	.05
Safety	.72	.51	-.10
Saliency	.72	.51	.05
Ability of person	.72	.52	-.06
Satisfaction with relationship to overall	.72	.52	.05
Satisfaction with the cost of childcare	.72	.52	.05
Satisfaction with amount of time	.72	.52	-.008

**Summary of the Relationships with Children Domain**

More than half the respondents (55.7%) indicated they were “pleased” or “mostly pleased” about their relationships with their children who were living with them. An even higher percentage (71.5%) indicated they were “pleased” with their relationships with the children who were not living with them.

Approximately three out of four (75.7%) said they were somewhat to completely satisfied in this domain. Of the several facet satisfactions, satisfaction with quality of time spent with children was most closely linked to overall satisfaction. Least correlated with overall satisfaction was activities available for the children. Many of the respondents, both married (46.2%) and single parents (74.6%) expressed some degree of dissatisfaction with the amount of time they spent with their children, and both single (85.2%) and married (78.7%) parents thought they would be able to spend more time with their children if they were civilians.

Overall satisfaction with the schools their children were attending was moderate. Those utilizing DoD schools showed the highest satisfaction, followed by those using public schools.

Married parents most often indicated that it was their spouse who cared for the children day to day, and who would also be providing care during long-term absences such as deployments. The responses in both areas by single parents showed much more variation, and single parents were less confident of the care their children were and would be receiving.

Six out of ten respondents (66.1%) thought their relationships with their children would be better if they were civilians. Comparing their own situation with that of other Marines, 44.8 percent felt the two were about equal.

Feelings about this domain (the D-T scale) cannot be predicted very well by the variables provided by this section of the survey. Somewhat better prediction is possible in the case of overall satisfaction with this domain (the cognitive evaluation).

## **The Relationships with Other Relatives Domain**

Relationships with family members other than spouse and children at times can be very supportive and rewarding for an individual, at other times, sources of additional stress and irritation. One might hazard a guess that the absence of supportive relationships with those other family members, or the presence, perhaps of stressful relationships with them, may prove to have even more pronounced effects on single Marines, those who have no spouse (or significant other) or children.

For purposes of this survey, "relatives" included brothers and sisters, parents, grandparents, in-laws, and other close relatives. Asked about the distance of their nearest relatives from their duty station, 3.1 percent of the Marines in the sample said they had relatives in the local (Camp Lejeune) area, 2.2 percent had relatives within 100 miles, while for 26.4 percent of those responding, their nearest relative was more than 1,000 miles distant.

### **Affective Evaluation of Relationships with Other Relatives**

Only 15.2 percent of these Camp Lejeune Marines indicated they felt "mostly unhappy" to "terrible" about relationships with their other relatives. Another 14.6 percent chose a neutral response. However, the majority of respondents felt positive about this domain, as evidenced by the percentages of responses in the "mostly pleased" (22.4%), "pleased" (31.6%) and even the "delighted" (15.8%) categories. Mean response on this item was 5.09, just within the "mostly pleased" range.

Additional analyses revealed no subgroup differences by rank, age, race, or gender. Significant differences were found for relationship status, with those not involved being less positive than those who were married, with the single but involved in between. Married were also more pleased than those formerly and those never married, who were about equal. The general pattern was for feelings about this domain (affective evaluation) to become less positive as the distance increased between respondents and their other relatives. No significant differences on this variable could be attributed to whether or not the respondent grew up in a military family.

### **Cognitive Evaluation of Relationships with Other Relatives Domain**

Measures of overall satisfaction and satisfaction with four specific aspects of the domain were used in the cognitive evaluation. Mean response to the overall satisfaction item was 5.46. Frequency analyses showed that eight out of ten Marines in the Camp Lejeune sample (76.8%) indicated some degree of satisfaction in this domain, with only 10.9 percent of the respondents choosing a negative response. Not surprisingly, overall satisfaction correlated positively with the affective evaluation discussed above ( $r = .57, p = .000$ ).

Subgroup comparisons revealed that only age accounted for significant differences in mean response, with the middle age grouping scoring higher on satisfaction (5.65) than either their younger (5.41) or older (5.34) counterparts.

Facet satisfactions included amount of contact, how well relatives get along with each other, support by relatives for respondent's military career, and relatives' respect for the respondent's

independence. Intercorrelations among the items are shown in Table 44. The strongest intercorrelation was between support for military career and relatives' respect for respondent's independence; weakest was between relatives' support for respondent's independence and amount of contact with relatives. As shown in Table 46, each of the four facet satisfactions correlated positively with overall satisfaction, the strongest being relatives' support for the respondent's military career; amount of contact with relatives showed the weakest linkage with overall satisfaction.

**Table 46**

**Intercorrelations of Specific and Overall Satisfactions  
With Relations With Relatives**

Specific Satisfactions	Sat1	Sat2	Sat3	Sat4	Overall Satisfaction with Relations with Relatives
1. Amount of contact		.18	.22	.12	.31
2. Ability to get along			.49	.45	.57
3. Support for military career				.66	.61
4. Respect for independence					.58

**Notes.**

1. All correlations are significant at  $p < .0001$ .
2. Pairwise deletion of missing cases resulted in  $n = 1,109$  to  $1,111$ .

Relatives' respect for respondent's independence showed the highest mean score for satisfaction (5.80), followed by relatives' support for respondent's military career (5.61), how well relatives get along with each other (5.14), and amount of contact with relatives (3.64).

**Social Comparisons**

Well more than half the Marines sampled (59.3%) felt their relationships with other relatives would be better if they were civilians. Thirty-one percent (31.0%) thought they would be about the same. Only one in ten (9.7%) thought those relationships would not be better if they were civilians. Junior enlisted were most negative, and the comparison bias toward better relationships with other relatives as a civilian decreased with age. Gender, relationship status, and race made no difference. Married and never having been married were about equal, and more positive than those formerly married. Those whose nearest relative was more than 1000 miles distant were more likely than those with relatives in the Camp Lejeune area or within 100 miles to feel that their relationships would be better if they were civilians; however, the relationship was not uniformly linear. Having had a parent in the military increased the propensity for a negative response in this area.

**Salience**

Respondents were asked how often their relationships with other relatives had been on their mind lately. Relatively high salience was found for this domain, with many respondents choosing responses of "quite a bit" (19.5%), "a great deal" (12.8%) and "almost all the time" (9.7%). Approximately one-third of the sample (36.0%) marked "once in a while."

Saliency decreased with age, and, was higher for junior than senior enlisted but for senior than junior officers. Hispanics showed higher saliency than Blacks, who, in turn, scored higher than Whites and Other. Married Marines tended to think of other relatives less often than single Marines, whether the latter were involved in an intimate relationship or not. Likewise, married showed less saliency in this domain than those never married, whereas highest saliency was shown by those formerly married. Saliency tended to increase with the distance of other relatives from the respondent, although not in a completely linear fashion. Neither gender nor having grown up in a military family seemed to make a difference.

Saliency showed no statistically significant relationship with the affective evaluation of this domain, and only a very weak inverse one with the cognitive evaluation ( $r = .11, p = .000$ ). Table 47 summarizes the correlations.

**Table 47**

**Correlations of the Saliency Variables with  
Relatives Summary Evaluations**

Summary Evaluation	Saliency
D-T affective scale	.11*
Overall domain satisfaction	.05**

\* $p < .001; n = 1,108$ .

\*\* $p = .066; n = 1,110$ .

**Variables Predicting Positive Assessment of Relationships with Other Relatives**

Stepwise regression was used to identify the combination of factors that contributed to overall domain satisfaction and to the affective evaluation of quality of life in this domain. Five variables together accounted for approximately 59 percent of the variance in scores on overall satisfaction, with relatives support for the members military career contributing most strongly to the prediction, followed by feelings about relationships with other relatives, how well relatives get along with each other, respect for the respondent's independence, and amount of contact with relatives. Table 48 depicts the results of the regression analysis.

In the regression to determine the relative strength of potential predictors of scores on the D-T scale, less of the variance could be accounted for. Overall satisfaction and amount of contact together accounted for approximately 34 percent of the variance, with other variables contributing little. Table 49 contains the summary of this regression.

Table 48

**Multiple Regression Predicting Overall Satisfaction With Relatives**

Variable	Multiple R	R <sup>2</sup>	Beta In
Support for military career	.61	.38	.61
Overall feelings about relationships with relatives	.71	.50	.38
How well relatives get along	.74	.55	.27
Respect for independence	.76	.58	.23
Amount of contact	.77	.59	.11
Parent who was a career military member	.77	.59	-.04
Social comparison with civilians	.77	.59	-.03
Distance to nearest relative	.77	.59	-.02
Saliency	.77	.59	.003

Table 49

**Multiple Regression Predicting Feelings About Relationship with Relatives**

Variable	Multiple R	R <sup>2</sup>	Beta In
Overall satisfaction with relationships with relatives	.57	.32	.57
Amount of contact	.59	.34	.15
How well relatives get along	.59	.35	.11
Saliency	.60	.35	.06
Distance to nearest relative	.60	.36	-.05
Support for military career	.60	.36	.07
Respect for independence	.60	.36	-.07
Social comparison with civilians	.60	.36	.02
Parent who was a career military member	.60	.36	-.002

**Summary of the Relationships with Other Relatives Domain**

Most of these Camp Lejeune Marines provided positive assessments--both affective and cognitive--of this domain. Few subgroup differences were found with respect to either of these overall assessments.

Relatives' respect for the respondent's independence, and relatives' support for the respondent's military career were the facet satisfactions most highly correlated with overall satisfaction.

Six out of ten felt that relationships with their relatives would be better if they were not in the Marine Corps. Younger Marines, junior enlisted and officer, and those whose relatives were farthest away tended to feel this way more than their older, higher ranking contemporaries, or those with relatives in the nearby area.

Relatively high salience was found for this domain. However, salience, that is, thinking often of relatives, showed no significant correlation with feelings about this domain and only a very weak inverse one with overall domain satisfaction.

## The Income and Standard of Living Domain

To most people, probably the first thing that comes to mind when quality of life is mentioned in one's financial resources. In fact, income and standard of living are often confused, at times being treated as alternative terms for the same thing, and sometimes being used to indicate quality of life itself. In a sense, of course, income is one of the easiest components of overall quality of life to express quantitatively, a fact which may lead to its pseudo synonymy with QOL. In the military, actual compensation and allied benefits vary according to a number of factors: rank, tenure, marital status, and, to some degree, location and work assignment.

### Affective Evaluation of the Income and Standard of Living Domain

For the sample as a whole, the mean response to this item was rather negative. At 3.82, it neared the upper limit of the "mostly unhappy" segment of the D-T scale, slightly below the midpoint. Four out of ten in the sample (40.0%) chose the negative response alternatives of "terrible" (8.8%), "unhappy" (11.6%), or "mostly unhappy" (19.6%). Another 24.5 percent chose the neutral response. Only 35.5 percent of the Marines in this sample from Camp Lejeune felt positive about their standard of living.

There were a number of significant subgroup differences. Women were more positive in their feelings about this domain than were men. And married Marines effectively evaluated this domain more positively than did those who had formerly been married who were about equal with those who had never been married. On the relationship variable, married respondents were more positive than their unmarried counterparts, either those involved in an intimate relationship or those uninvolved. No clear relationship existed between race and feelings about this domain. Positive feelings actually increased with number of children.

Positive feelings toward this domain of QOL increased in linear fashion with both age and rank. Obviously, one would suspect that the actual income of the respondent would be closely related to feelings about QOL; actual income as a Marine, of course, is directly related to rank (and somewhat to tenure), and rank is positively correlated with age ( $r = .47$ ). To follow up on this, Pearson correlations were run between feelings about the income and standard of living domain and three variables. Affective evaluation correlated positively with rank ( $r = .20$ ), age ( $r = .23$ ), and time in service ( $r = .24$ ). When controlling for age, rank correlates with feelings about this domain at  $r = .11$ ; controlling for rank, age correlates with feelings about this domain at  $r = .13$ .

Rank groups differed significantly on feelings about this domain of QOL. The E-2 to E-4s had a mean score of 3.57 on the D-T scale, slightly below the midpoint. Affective evaluation increased in a positive direction linearly with rank, with means being 4.18 for senior enlisted, 5.00 for warrant officers, 5.32 for junior officers, and 5.58 for senior officers.

Of the Marines sampled, most (79.8%) had no second job, and were not looking for one. Another 15.1 percent did not have a second job but were trying to find one. Only 5.1 percent were augmenting their income through a second job, working from less than 10 to more than 30 hours per week. Those having second jobs most often cited needing money (59.6%) as the reason, followed by enjoyment of work (15.4%) and the gaining of experience (13.5%). Marines working 10-20 hours per week at a second job, and those working more than 30 hours, felt less positively

about their income and standard of living than did those working less than 10 hours or 31-40 hours per week or those having no second job; those looking for a second job scored lowest of all.

Spouses contributed to the family income in 28.0 percent of the cases, most commonly 20-40 percent of the income; next most common spousal contribution was less than 20 percent. Marines with military spouses had the most positive feelings about this domain; those with unemployed spouses who were actively seeking a job were the least positive.

Evaluations by single parents and married Marines on unaccompanied tours (temporarily or permanently, by choice or because of billet requirement) were lower than the married parents who were accompanied by their dependents. There were only 117 geographical bachelors in the sample, too few to justify subgroup analyses on that variable.

### **Cognitive Evaluation of Income and Standard of Living**

Cognitive measurement of this domain used one overall satisfaction item and six facet satisfaction items: money available for essentials, for extras, and for savings, and satisfaction with car, household furnishings, and what can be provided for the children. Cognitive evaluation (overall satisfaction) correlated positively with affective evaluation (feelings, the D-T scale) ( $r = .66$ ). Mean overall satisfaction was 3.66, below the midpoint of the scale. Those dissatisfied (49.5%) outnumbered those who were satisfied (35.9%).

A number of significant subgroup differences were found, with most means below the midpoint of the scale for overall satisfaction. Mean cognitive evaluations (overall satisfaction) increased linearly with rank, from a low of 3.46 to a high of 5.50. Mean satisfaction was also higher for females (4.44) than for males (3.62). Similarly as with rank, satisfaction increased linearly with age, from a low of 3.52 to a high of 4.50. With respect to relationship status, married Marines were most satisfied (3.88), those single but involved least (3.26), and the uninvolved singles were in the middle (3.51). Currently married (3.87) were more satisfied in this domain than either formerly married (3.50) or never married (3.48). Permanently unaccompanied scored highest on satisfaction (4.17), those accompanied by all dependents next (3.91). Race and number of children accounted for no significant differences.

Table 50 shows the intercorrelations among the facet satisfactions and also the correlation between each facet satisfaction and overall satisfaction. Highest intercorrelation ( $r = .77$ ) was between satisfaction with money available for extras and satisfaction with money available for savings; lowest ( $r = .25$ ) was between satisfaction with money available for savings and satisfaction with car. Correlating most strongly with overall satisfaction was satisfaction with money available for extras ( $r = .79$ ). Considering only those Marines with children, overall satisfaction was strongly and positively correlated with satisfaction with what could be provided for the children.

In the area of facet satisfactions, satisfaction with car had the highest mean score (4.85), while satisfaction with money available for savings had the lowest (3.10).

Table 50

**Intercorrelations of Specific and Overall Income/Standard  
of Living Satisfaction**

Specific Satisfaction	Sat1	Sat2	Sat3	Sat4	Sat5	Sat6	Overall Domain Satisfaction
1. Money for essentials		.69	.56	.30	.40	.54	.68
2. Money for extras			.77	.31	.44	.57	.79
3. Money for savings				.25	.36	.51	.73
4. Car					.44	.43	.43
5. Household furnishings						.60	.55
6. Provide for children							.64

Notes.

1. All correlations are significant at  $p < .0001$ .
2. Pairwise deletion of missing cases resulted in  $n = 840$  to 1,522.

Respondents were asked to report on five indicators of financial hardship with respect to their current command: letter of indebtedness; repossession, bankruptcy, crisis loan from a military relief organization, and trouble over child support. Fifteen percent (15.3%) of the respondents had suffered one or more of those hardship events. Frequency analyses revealed that 4.4 percent of the respondents had received a letter of indebtedness, 2.0 percent had suffered a repossession, 0.9 percent had filed bankruptcy, 7.8 percent had received a crisis loan, and 2.8 percent had experienced trouble over child support payments. Eight out of ten (84.7%) reported having experienced none of those events at their present command. As expected, young Marines in lower paygrades (E-3--E-5) were overrepresented in the group having had financial problems.

### Social Comparisons

Marines at Camp Lejeune were asked to compare their present financial situation to the one they would probably be experiencing if they were civilians, and also to compare their present financial situation with that of other Marines of the same paygrade. Approximately one-fourth of the sample (25.0%) thought they were worse off financially than they would be as civilians; however, 54.8 percent thought they were better off, and 20.2 percent felt the two situations were approximately equal.

Subgroup differences were found for rank, with junior enlisted comparing their current situation most favorably, warrant officers least favorably; however, there was not a linear relationship between rank and comparison score. As to race, Whites made the most favorable comparison, Hispanics the least. Men felt they were better off than civilians with respect to financial situation more than did women. The comparisons grew less favorable with increasing age. The single (involved and uninvolved) Marines compared their current financial situation more favorably than did their married counterparts. Formerly married Marines made more favorable comparisons than those who had never been married, and currently married made the least favorable comparisons.

Responses on the second comparison clustered near the scale's midpoint; 48.3 percent saying they and other Marines of the same paygrade were about equal financially, 11.9 percent stating they were a little worse off, 20.1 percent stating they were a little better off. Warrant officers and junior officers made the least favorable comparisons. Whites made more favorable comparisons than Blacks or Other; Hispanics were least favorable in comparing their situation to that of fellow Marines. Men were more positive than women. Youngest Marines made the most favorable comparisons. Relationship status made a difference, with the uninvolved more positive than the single involved, who, in turn, were more positive than the married. Married also compared their current financial situation to that of other Marines of the same paygrade less favorably than formerly married; never married were in between.

### Saliency

Saliency for the income and standard of living domain was very high. Of the total sample, 25.8 percent reported that their financial situation was on their mind "almost all the time"; 24.7 percent said "a great deal of the time," and 23.9 percent said "quite a bit." The response alternatives of "seldom" (5.0%), "hardly ever" (1.5%), and "not at all" (2.0%) showed negligible frequencies.

Saliency did show variation by subgroup. Junior and senior enlisted had income and standard of living on their minds more than junior and senior officers, with warrant officers showing lowest saliency. Saliency was lower for "Other," Whites and Hispanics, all of whom scored lower than Blacks. Gender differences were not significant. Saliency decreased linearly with age. Those never married scored lowest in saliency; in close second were the married, and formerly married were highest. Marital status accounted for no significant differences on this variable.

As shown in Table 51, saliency correlated positively with both the score on the D-T scale, and with the score on overall domain satisfaction. As positive feelings about income and standard of living, and overall satisfaction with them increase, less time is spent thinking about them.

**Table 51**

**Correlations of the Saliency Variables with  
Income/Standard of Living Summary Evaluations**

Summary Evaluation	Saliency
D-T affective scale	.40
Overall domain satisfaction	.38

*p* < .0001.

*n* = 666 to 1,096.

### Utilization of Base Exchange and Commissary

Respondents were asked how much the base exchanges and the commissary helped them to save money and to make ends meet financially. Seven out of ten of the Marines (70.8% for the exchange, 71.1% for the commissary) indicated "a little" to "a great deal" of help. With respect to the exchange, "not at all" received 29.2 percent of the responses, "a little" received 31.3 percent,

and "some" 26.5 percent; "quite a bit" (9.9%) and "a great deal" (3.2%) had low frequencies. The commissary had similar endorsements: "not at all," 28.9 percent; "a little," 25.9 percent; "some," 25.9 percent; "quite a bit," 13.7 percent; and "a great deal," 5.5 percent.

Asked where they shopped for food, 8.1 percent said "only at the commissary," 17.4 percent said "mostly at the commissary," 27.6 percent said "mostly at civilian stores," and 18.3 percent said "only at civilian stores;" another 28.6 percent marked the "50-50" response. Three out of four shopped mostly (45.2%) or only (23.1%) at civilian stores for clothing and personal and household items, while a scant 1.5 percent shopped only at the exchange, 5.9 percent mostly at the exchange, and 24.2 percent 50-50 at the exchange and civilian stores.

### Variables Predicting Evaluation of Income and Standard of Living

Stepwise regression was used to measure the relative importance of factors that conduce to overall satisfaction in this domain. Regressions were run separately for Marines without and with children. For those without children, five of the six facet satisfactions, plus saliency and rank constituted the candidate variables. Five variables together accounted for 75 percent of the variance: satisfaction with money available for extras, satisfaction with household furnishings, satisfaction with car, satisfaction with money available for savings, and salience.

In the regression for those who were married and had children, an additional variable was added: satisfaction with what can be provided for the children. It emerged as the second most potent predictor variable, behind satisfaction with money available for extras, and ahead of satisfaction with money available for household furnishings. Together, these three variables accounted for 72 percent of the variance.

A third regression was run to measure the strength of variables contributing to the prediction of positive feelings about this domain. Overall satisfaction was the most potent predictor of scores on the D-T scale. Two other variables combined with overall satisfaction to account for 53 percent of the variance: comparison with civilians (a negative correlation), and satisfaction with what could be provided for the children. Tables 52, 53, and 54 summarize the results of the regressions.

Table 52

#### Multiple Regression Predicting Overall Satisfaction With Income for Marines Without Children

Variable	Multiple R	R <sup>2</sup>	Beta In
Money available for extras	.80	.64	.80
Money available for household furnishings	.83	.70	-.26
Car	.87	.71	-.17
Money available for savings	.85	.72	-.24
Money available for essentials	.86	.74	-.13
Rank	.87	.71	.14
Saliency	.87	.75	-.04

Table 53

**Multiple Regression Predicting Overall Satisfaction With  
Income for Marines With Children**

Variable	Multiple <i>R</i>	<i>R</i> <sup>2</sup>	Beta In
Money available for extras	.79	.63	.79
Money available for children	.84	.70	.35
Money available for household furnishings	.85	.72	.16
Money available for savings	.86	.74	.22
Money available for essentials	.87	.75	.19
Saliency	.57	.76	.09
Car	.88	.77	.09
Rank	.88	.77	.08

Table 54

**Multiple Regression Predicting Feelings About Income**

Variable	Multiple <i>R</i>	<i>R</i> <sup>2</sup>	Beta In
Overall satisfaction with income	.70	.49	.70
Income comparison to civilians	.72	.51	-.18
Money available for children	.73	.53	.19
Rank	.73	.54	.10
Saliency	.74	.54	.07
Money available for extras	.74	.54	.06
Money available for household furnishings	.74	.55	.04
Money available for essentials	.74	.55	.03
Number of children	.74	.55	.02
Income comparison to other Marines	.74	.55	.01
Car	.74	.55	-.01
Money available for savings	.74	.55	.01

**Summary of the Income and Standard of Living Domain**

Contentment with income and standard of living was rather low. Both affective and cognitive evaluations had mean scores below the midpoint (4.0) of their respective scales, 3.82 and 3.66, respectively. As would be expected, feelings about income and standard of living vary with rank and age, and positive evaluation increased linearly with both age and rank. Women were more positive than men on the affective evaluation. Cognitive evaluation differences by subgroup were very similar.

Only 5.1 percent of those sampled were holding second jobs, with another 15.1 percent actively searching for one. Spouses contributed to the family's income in 28.0 percent of the cases.

Most closely correlated with overall domain satisfaction was satisfaction with money available for extras. Income and standard of living showed very high salience. Both the commissary and the exchange helped seven out of ten of the Marines, although neither received an exceptionally strong endorsement. Adverse financial events had occurred for 15.3 percent of the respondents.

In social comparisons, 54.8 percent thought they were better off financially than they would be as civilians, and 48.3 percent felt they were about as well off as their Marine peers.

## The Work Domain

Work remains, for many (some would say most) people, the domain most central to their identity, self-regard, and the meaning they find in life. Even in an age when the work ethic has supposedly declined in importance, it remains true that nine out of 10 individuals, when asked who they are, will also say what they do! Work is second only to family--and sometimes not second--when it comes to influencing an individual's perceived quality of life. And, in fact, work directly or indirectly influences almost all of life's other domains, whether because of compensation, time demands, occupational status, or whatever. Certainly, with respect to members of the U. S. Marine Corps, work spreads its effects throughout the life space.

### Affective Evaluation of Job in the Marine Corps

Of the Camp Lejeune Marines sampled, 34.0 percent felt unhappy to some degree about their jobs; a somewhat larger percentage (41.0%) felt pleased to some degree, and another 25.0 percent said they were "neither happy nor unhappy." At 4.01, the mean response was right at the scale's midpoint, and the response most often chosen was the neutral one. Nine percent (9.5%) felt "terrible" about their Marine Corps job, but 3.9 percent said they were "delighted" with theirs.

Subgroup analyses showed that positive feelings about job increased in linear fashion with both age and rank; with respect to rank, senior enlisted were more positive than junior enlisted, junior officers more than their senior counterparts, but warrant officers were most positive of all. There were no differences by race or gender. The job was more positively evaluated by Marines who were married and those who were involved than by those uninvolved. Married were most positive, those never married the least, and those formerly married in between.

This domain's affective evaluation used a second measure, an organizational commitment scale. The scale included 11 items, and response alternatives were anchored with 1 (strongly disagree) to 7 (strongly agree). Mean response was 3.70, and the modal response was 4.0; both are at or near the scale's midpoint, and the distribution of scores was quite normal. Commitment was highest for Other, followed in order by Hispanics, Whites, and Blacks. Gender made no significant difference. Commitment scores grew more positive linearly with age and rank. With respect to relationship status, married and involved singles were more positive than singles not in an intimate relationship. By marital status, formerly married scored lower on organizational commitment than did married, while those never having been married were in between. Commitment and feelings about this domain (using the D-T scale) correlated positively ( $r = .58$ ).

Respondents were asked what, in their opinion, was the single best thing about being a Marine. The most popular response was "chance to serve country" (25.3%), followed by "being one of the few and the proud" (19.1%), and "training and personal development" (15.3%). "Job security" was chosen by few respondents (9.9%), as was "pay and benefits" (5.7%), and "retirement options" (2.7%). Table 55 shows the percentages of respondents choosing each of the response alternatives to the "one best thing" item. Further analysis revealed that higher organizational commitment was reported by those Marines who had chosen "training and personal development" (highest mean score, 4.16), followed by those choosing "being one of the few and the proud" (4.09), and adventure and excitement (3.87).

Table 55

Respondents' Perceptions of "The Best Thing About Being a Marine"

Response Option	Percent of Respondents
A chance to serve your country	25.3
Being one of "the few and the proud"	19.1
Training and personal development	15.3
Job security	9.9
Adventure and excitement	7.0
Pay and benefits	5.7
Retirement options	2.7
Other	14.8

Cognitive Evaluation of Job in the Marine Corps

One overall satisfaction item and 11 facet satisfaction items were used in the cognitive evaluation of this domain. The mean response on overall satisfaction was 4.45, a little above the scale's midpoint, and somewhat higher than the mean response on the D-T scale (affective evaluation). Some degree of satisfaction with their job was indicated by 54.7 percent of the respondents. With 17.9 percent choosing a neutral response, that left 27.4 percent voicing some degree of dissatisfaction.

With respect to the facet satisfaction items, highest mean satisfaction was recorded for amount of responsibility had on the job (4.83), followed by feeling of accomplishment (4.64); lowest satisfaction was with pay and benefits (3.60) and opportunity for personal growth and development (3.99).

Intercorrelations among the facet satisfaction items were all positive, and ranged from a high of .73 (between support and guidance received from supervisor, and leadership provided by supervisor), to a low of .27 (between pay and benefits and amount of responsibility). The facet satisfaction most closely correlating with overall satisfaction was feeling of accomplishment ( $r = .73$ ). Least related to overall satisfaction was amount of job security (.40). Table 56 summarizes the intercorrelations among the facet satisfactions and shows the correlation between each facet satisfaction and overall satisfaction.

Table 56

## Correlation Matrix for Job Satisfaction Measures

Job Related Satisfaction Measures	Intercorrelations Among Specific Satisfaction											Correlations With Overall Satisfaction
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	
1. Peers and co-workers	.36	.52	.29	.43	.49	.41	.41	.51	.54	.40		.54
2. Pay and benefits		.39	.34	.39	.34	.33	.34	.37	.36	.28		.41
3. Support, guidance from supervisor			.38	.54	.66	.49	.50	.74	.60	.49		.65
4. Amount of job security				.46	.32	.35	.33	.33	.34	.28		.40
5. Personal growth on job					.54	.58	.59	.52	.53	.48		.66
6. Respect and fair treatment						.49	.50	.70	.61	.51		.67
7. Amount of challenge							.72	.50	.53	.59		.68
8. Feelings of accomplishment								.53	.56	.56		.73
9. Leadership									.63	.49		.68
10. Feedback										.54		.66
11. Amount of responsibility												.64

Notes.

1. All correlations are significant at  $p < .0001$ .
2. With pairwise treatment of missing values,  $n$  for these analyses ranged from 1,096 to 1,115.

Overall satisfaction was strongly and positively correlated with affective evaluation ( $r = .69$ ). Therefore, subgroup differences on overall satisfaction were expected to be similar to those found on affective evaluation. Mean overall satisfaction scores increased with rank among the enlisted, but decreased with rank among officers. Satisfaction increased linearly with age. Race and gender accounted for no significant differences. In terms of relationship status, overall satisfaction with job was higher for the married, lowest for those not involved in a relationship; married were also more satisfied than formerly married or those never married.

**Marines' Descriptions of Their Jobs**

Respondents were asked to indicate how long they had been on their present assignment. The mean time on assignment was 16.3 months, and the range was from zero to 92 months. There was no significant relationship between time at present assignment and either feelings about the job or overall satisfaction with job.

Number of hours worked each week was slightly negatively correlated with both affective and cognitive evaluation. That is, the more hours the respondents worked, the less happy they tended to be with this domain of QOL, and the less overall satisfaction they tended to have with the work domain. Marines in the sample reported working hours per week ranging from 20 to 120. Although 2.3 percent said they worked in excess of 80 hours per week, such is not likely, nor is it likely that 2.9 percent worked less than 40 hours. The fault may lie with the survey item itself, and the unclear meaning of "work."

Adjusting for unreasonable responses, it appears that (for those remaining in the sample) 33.8 percent work 40-49 hours per week, 34.9 percent work 50-59 hours, 23.7 percent work 60-69 hours, and 7.7 percent work 70-79 hours. Using these data, mean overall satisfaction (4.60) was

highest for those working 40-49 hours per week, and declined in linear fashion as work hours increased, to 4.23 for those working 70-79 hours (however, statistically, these differences were not significant).

Asked if their training had prepared them for their current job assignment, 41.3 percent responded "pretty well," while another 8.7 percent said "completely." Other responses were "somewhat" (26.0%), "barely" (14.2%), and "not at all" (9.7%). A second question asked how well members of the respondent's work group had been trained to do their jobs. Responses were "not at all" (2.6%), "barely" (12.0%), "somewhat" 33.2%, "pretty well" (46.7%), and "completely" (5.5%). The difference between how well individuals perceived their own and their work companions' training adequacy was statistically significant, but a comparison of the percentages in each response category reveals little practical difference in the two distributions.

### Person-Environment (P-E) Fit

Congruence between job characteristics important to an individual, and the actual characteristics of the jobs they hold (aka person-environment fit) has been shown to be related to such things as satisfaction with work, stress on the job, and individual health. The idea is that a close fit indicates that the person's needs and the opportunities to fulfill those needs on the job have high congruence.

In the survey, Marines were asked to indicate how much their present job offered in the way of variety, autonomy, task feedback, importance, and task completion. They were also asked to indicate the levels of each of these five elements in "their ideal job." Using mean responses, Figure 2 shows the characteristics of present and ideal job for members of the Camp Lejeune sample.

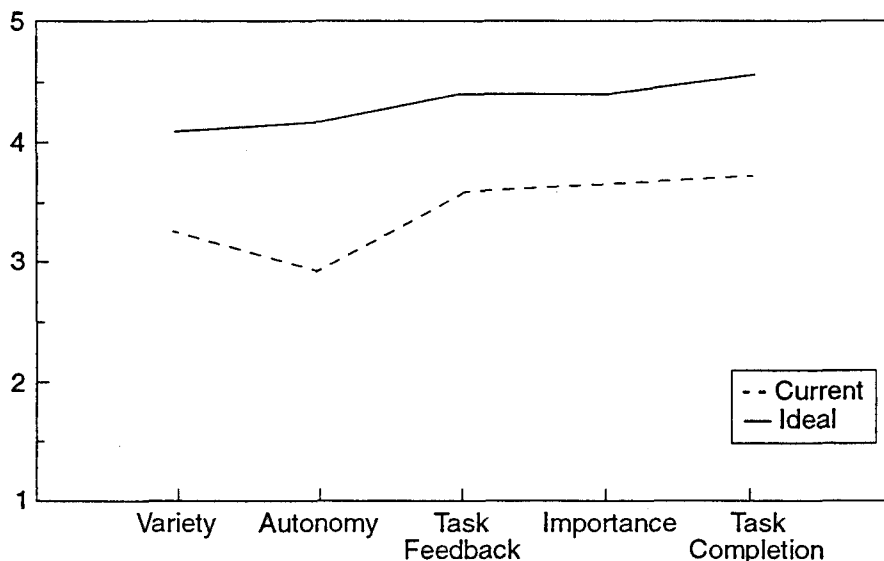


Figure 2. Profiles of respondents' current and ideal jobs.

When the scale value for ideal job is subtracted from the scale value for present job (i.e., present minus ideal), the result is an indicator of deficiency or excess of that particular quality in the present job. Zero difference indicates a good P-E fit. Table 57 shows the percentage of respondents in excess, even, and deficiency categories for each job element. "Current excess" means those job incumbents want less of that job element or characteristic, while "current deficiency" means they want more of it.

**Table 57**  
**Comparison of Current and Ideal Jobs**

Job Dimension	Current Excess (%)	P-E Fit (%)	Current Deficiency (%)
Variety ( <i>n</i> = 996)	8.3	34.8	56.9
Autonomy ( <i>n</i> = 994)	4.6	27.2	68.2
Task feedback ( <i>n</i> = 987)	4.0	41.1	54.9
Work importance ( <i>n</i> = 990)	6.9	41.4	51.7
Task completion ( <i>n</i> = 986)	4.5	32.1	63.4

A single additive index of P-E fit was developed from the responses on all five job elements. In terms of this index, only 8.0 percent of the Marines sampled are working at jobs for which they have an ideal P-E fit; that is, jobs in which they have just the amounts they want of each of the five job elements. More than eight out of 10 (85.6%) rated their present job deficient in comparison with their ideal job. A very small percentage (6.3%) rated their job as excess in the five job elements.

To investigate the effect of P-E fit on overall satisfaction, one-way analysis of variance procedures were conducted. Results revealed that there were significant differences among the three "fit" groups, with those in the deficiency category showing lower mean overall satisfaction (4.27) than those in either the ideal (5.69) or excess (5.10) categories. Additional analyses revealed that feelings toward this domain differed in the same way (i.e., by "fit" category). Mean feelings scores were: deficiency--3.86, ideal--5.09, and excess--4.71.

### **Social Comparison**

Marines were asked to make only one comparison in this domain: "Would you be more or less likely to have your ideal job now if you were a civilian?" About half (48.9%) said it was less likely they would be performing their ideal job if they were civilians. Another 27.3 percent thought the chances were about 50-50, while 23.8 percent thought it was more likely they'd have their ideal job now if they were civilians.

Several subgroup differences were found. Senior officers and warrant officers were most likely to feel they would be less likely to have their ideal job if they were civilians; among the enlisted, it was the junior members who felt they would be less likely to have their ideal job as civilians. The feeling that they would be more likely to have their ideal job as civilians increased uniformly with

age. Relationship status and marital status, however, accounted for no statistically significant differences, nor did race or gender.

Comparison favoring civilian job correlated negatively with scores on both the D-T scale ( $r = .26, p = .000$ ) and the measure of overall satisfaction in the job domain ( $r = -.26, p = .000$ ). That is, those who felt they were more likely to have their ideal job if they were civilians tended to feel worse about their Marine Corps job, and to be less satisfied with it.

### Variables Predicting Positive Assessment of Marine Corps Job

Stepwise multiple regression was used to identify the combination of factors which best predicts overall satisfaction in this domain. The 11 facet satisfactions, organizational commitment, P-E fit, the comparison, work hours, and rank were the candidate variables. Six variables together accounted for 73 percent of the variance. Satisfaction with feelings of accomplishment and satisfaction with respect and fair treatment were the two most potent predictors. Table 58 summarizes the results of the regression analysis for overall satisfaction.

Table 58

#### Multiple Regression Predicting Overall Job Satisfaction

Variable	Multiple R	R <sup>2</sup>	Beta In
Satisfaction with feelings of accomplishment on the job	.71	.50	.71
Satisfaction with respect and fair treatment from supervisors	.79	.63	.40
Satisfaction with amount of responsibility on the job	.82	.67	.25
Satisfaction with leadership by superiors	.83	.69	.23
Commitment to the Marine Corps	.84	.71	.18
Satisfaction with opportunities for personal growth on the job	.85	.73	.16
Support and guidance	.86	.73	.12
Amount of challenge	.86	.74	.11
Feedback from others	.86	.74	.09
Peers and co-workers	.86	.75	.06
Rank	.86	.75	-.05
Present job/ideal job difference	.87	.75	.05
Hours worked per week	.87	.75	-.03
Ideal job as a civilian	.87	.75	-.03
Pay and benefits	.87	.75	.01
Job security	.87	.75	.005

A similar multiple regression was run to determine the best predictors of positive affective evaluation. Overall satisfaction was added as a candidate variable, and it proved to be the best predictor, accounting for 47 percent of the variance. However, prediction of affective evaluation was less successful than prediction of overall satisfaction: together (as shown in Table 59), all 17 variables could account for only 55 percent of the variance.

Table 59

Multiple Regression Predicting Feelings About One's Job

Variable	Multiple R	R <sup>2</sup>	Beta
Overall job satisfaction	.68	.47	.68
Commitment to the Marine Corps	.72	.52	.29
Present job/ideal job difference	.73	.54	.15
Hours worked per week	.74	.54	-.09
Amount of challenge	.74	.55	.08
Feedback from others	.74	.55	.06
Amount of job security	.74	.55	-.03
Personal growth	.74	.55	.05
Civilian comparison	.74	.55	-.03
Amount of responsibility	.74	.55	-.05
Pay and benefits	.74	.55	-.04
Peers and co-workers	.74	.55	.03
Leadership	.74	.55	.02
Rank	.74	.55	-.04
Feelings of accomplishment	.74	.55	.03
Support and guidance	.75	.56	.03
Respect and fair treatment	.75	.56	-.02

Summary of the Marine Corps Job Domain

Neither affective nor cognitive evaluation of the work domain was very positive, with mean scores for both evaluations hovering about the midpoint of their respective scales. Married personnel were the most positive about their Marine Corps jobs, and both affective and cognitive evaluations became more positive with increasing age of the respondents. Neither race nor gender accounted for significant differences. Feelings about job and overall satisfaction correlated positively at .69.

Of the facet satisfaction items, highest mean satisfaction was shown for amount of responsibility on the job and feeling of accomplishment; lowest was for pay and benefits and opportunity for personal growth and development. Satisfaction with feeling of accomplishment was most closely correlated with overall satisfaction.

The Camp Lejeune Marines sampled reported working from 20 to 120 hours per week, although figures on both ends of the distribution must be questioned. Mean overall satisfaction was highest for those working 40-49 hours per week, lowest for those working 70-79 hours per week.

A measure of person-environment fit was used, and the results showed that, on average, the Marine Corps jobs were deficient in each of five job characteristics, when compared with the respondents' ideal jobs. In analyses using a summary P-E fit score, it was found that respondents in jobs where the P-E fit was in the ideal range scored highest in overall satisfaction, ahead of those in either the deficiency or excess categories.

Half (48.9%) felt they would be less likely to be in their ideal job if they were civilians, while about one-fourth (23.8%) felt the opposite. Comparison favoring civilian job correlated negatively with both affective and cognitive evaluations.

Variables used in the analyses were better able to predict overall satisfaction than affective evaluation. Satisfaction with feeling of accomplishment best predicted overall satisfaction, while affective evaluation was best predicted by overall satisfaction.

## The Self Domain

Having explored a number of elements in the individual's life space (i.e., the several domains of quality of life), we turn now to the heart of the matter, the domain of self. Here is the domain most central to the individual's life space; but is it the domain having the greatest impact on perceptions about quality of life? Evaluations of quality of life may, in the end, depend more on this domain than any other; one's evaluations of the world outside and of one's place in it may be reflective of one's evaluations of self. Or, they may not.

Before addressing that issue, we will examine the self-perceptions of the Marines from Camp Lejeune who responded to the survey. As used herein, assessments about self have to do with self-esteem, influence over one's destiny, competence, and self-improvement.

### Affective Evaluation of Self

Six out of 10 (63.1%) Marines in the sample reported positive feelings in this domain. Another one in five (18.3%) were neither happy nor unhappy about self. Only 18.6 percent chose a negative response to this item. At the extremes, 3.1 percent felt "terrible," and 8.2 percent felt "delighted." The average score was 4.80, somewhat above the midpoint of the seven-point D-T scale.

Because affective evaluation of self might be influenced by internalization of values associated with being a Marine, a two-item composite was used as an indicator of pride in being a Marine. The two items were: "Being a Marine is worth personal sacrifice," and "The Marine Corps is the best of all places for me to work." This summative "pride" score correlated positively with feelings about self ( $r = .34$ ), indicating a significant but modest relationship. Additional analyses were conducted to examine the relationship between feelings about self and pride in being a Marine, using the "one best thing about being a Marine" item from the work domain. The results showed that those who selected the response "training and personal development" had the second highest affective evaluation of self; highest were those who chose the "retirement options" alternative.

Affective evaluations of self tended to become more positive with increasing rank, although senior officers were less positive than junior officers or warrant officers. Positive affective evaluation increased in linear fashion with age. Age and rank are positively correlated ( $r = .61$ ), and feelings about self correlated with age and rank about equally (.19 and .17, respectively). Controlling for paygrade, the partial correlation of age and feelings about self was .12 ( $p = .000$ ). Controlling for age, the partial correlation between feelings about self and paygrade was .08. Thus, both age and paygrade are contributing some unique amount to feelings about self.

Blacks felt best about the self domain (mean score of 5.05), followed by Hispanics (5.00), Whites (4.73), and "Other" (4.58). Relationship status made a difference in feelings about self, with married respondents being most positive, involved singles less so, and uninvolved singles least. Similarly, married Marines were more positive than formerly married, while those who had never been married were lowest in affective evaluation of the self domain. Gender differences on this item were not significant.

## Cognitive Evaluation of the Self Domain

Measurement in this domain used one overall satisfaction item and five facet satisfaction items. Overall satisfaction correlated positively with affective evaluation ( $r = .54$ ). However, the mean score for overall satisfaction in the self domain (5.65) was higher than the mean score of 4.80 on affective evaluation (the D-T scale).

Eight out of 10 (85.1%) reported some degree of satisfaction with self: 14.9 percent "somewhat satisfied," 52.0 percent "satisfied," and 18.2 percent "completely satisfied." Only 9.2 percent chose the neutral response to this item. The "somewhat dissatisfied" (3.7%), "dissatisfied" (1.3%) and "completely dissatisfied" (0.7%) response alternatives were chosen by very few respondents.

Overall satisfaction was positively correlated with both age and rank (although, again, the senior officers were less positive than the junior or warrant officers). Hispanics were most positive, followed in order by Blacks, Whites, and "Other." As with affective evaluations, the married scored higher than the involved singles, who were more positive than the uninvolved singles; and, married scored higher than both formerly married and the single never married. Gender differences in overall satisfaction were not statistically significant.

Intercorrelations among facet satisfactions were all positive and significant, with the strongest correlation being between satisfaction with self-discipline and satisfaction with general competence ( $r = .54$ ); lowest intercorrelation ( $r = .29$ ) was between satisfaction with progress toward goals and satisfaction with self-discipline. Each of the facet satisfactions correlated positively with overall satisfaction; most closely correlated with overall satisfaction was a tie between satisfaction with physical appearance, and satisfaction with general competence (both  $r = .62$ ). Table 60 shows the intercorrelations among the facet satisfaction items, and the correlation between each facet satisfaction and overall satisfaction.

**Table 60**

### Intercorrelations of Specific Overall Satisfactions with Self

Specific Satisfactions	Intercorrelations					Correlation with Overall Satisfaction
	Sat1	Sat2	Sat3	Sat4	Sat5	
1. Ability to get along with others		.39	.34	.43	.40	.46
2. Progress toward personal goals			.40	.38	.30	.51
3. Physical appearance				.52	.49	.62
4. General competence					.55	.62
5. Self-discipline						.57

**Notes.**

1. All correlations are significant at  $p = .0001$ .
2. With pairwise treatment of missing values,  $n$  for these analyses ranged from 1,110 to 1,118.

Highest mean facet satisfaction score (5.70) was in satisfaction with self-discipline; lowest was for satisfaction with progress toward goals (4.64). Subgroup analyses (age, rank, gender, race, relationship status, marital status) revealed that subgroups usually had their lowest mean

satisfaction score on progress toward goals; highest mean scores were for either self-discipline or general competence, both very close in each case.

Respondents were asked to what extent they felt in control of their lives. Responses were generally positive, with 24.1% saying they were handling all areas of their lives well, and 45.1% saying they were handling most areas well. Negative responses were fewer: "some areas out of control" (22.6%), "many areas out of control" (5.9%), and "totally out of control" a very scant 2.2 percent.

Weak to moderate correlations were found between the control item and each of the facet satisfaction items. The strongest linkage was between control and progress toward goals ( $r = .39$ ).

Given the composition of the sample (high percentages of young, lower ranking males), it was not surprising that, of those making the two most negative responses, nearly all were enlisted (87.2% junior enlisted; 11.6% senior enlisted). Similarly, negativity was highest for the youngest subgroup (81.0%).

### **Social Comparisons**

Responding to the question "Would your personal development have been better or worse if you had remained a civilian?", 43.3 percent felt it would have been a little to a lot worse (thus, better as a Marine), 32.3 percent felt it would have been better, and 24.4 percent felt it was about equal to what it would have been. Subgroup differences were found. The lower the enlisted rank, the more this comparison favored the hypothetical civilian accomplishments; the reverse was true for officers. The lower the age, the more the civilian situation was endorsed. Race, gender, relationship status, and marital status made no significant difference in this comparison.

When comparing their own accomplishments with those of most Marines in their own paygrade, most (43.0%) felt the two were about the same, 25.4 percent felt they had accomplished a little more, 14.5 percent considerably more, and 5.0 percent a lot more. Only 12.1 percent felt their accomplishments were less than those of their peers. Subgroup analyses showed that personal accomplishments were more favorably endorsed by junior than senior enlisted; with officers, however, it was senior officers who felt their accomplishments outweighed those of their peers, while warrant officers were equal with senior officers. Younger Marines were more positive about their own accomplishments than those in the middle and oldest categories. Gender, race, relationship status, and marital status accounted for no significant differences with respect to this comparison.

Those who felt their personal development was better in the Marines (thus, worse had they remained civilians), were more likely to feel positive about self (the D-T scale), and to have high overall satisfaction in the self domain (the cognitive evaluation). Comparison with civilians correlated with both affective evaluation ( $r = -.21, p = .000$ ), and overall domain satisfaction ( $r = .13, p = .000$ ). The same trend was apparent in the case of the second comparison. Those Marines who felt their own accomplishments were greater than those of their same paygrade contemporaries were more likely to feel better about self, and to indicate greater overall satisfaction in the self domain. Correlations were  $.26, (p = .000)$ , and  $.24, (p = .000)$ , respectively.

## Saliency

The question addressing saliency was "How often has your personal development been on your mind lately?" More than half (55.1%) indicated high saliency: "quite a bit" (24.0%), "a great deal" (18.8%), and "almost all the time" (12.3%). Approximately one out of four (23.9%) said "once in a while." "Seldom" was the response alternative chosen by 10.3 percent, "hardly ever" by 6.1 percent, and "not at all" by 4.7 percent.

Saliency in this domain correlated positively with both affective evaluation (feelings about self) ( $r = .18$ ) and cognitive evaluation (overall satisfaction) ( $r = .11$ ). (The saliency scale is reverse-coded. Thus, those who felt better about themselves, and those indicating highest domain satisfaction were those who less often had personal development on their minds.) Table 61 summarizes these correlations.

Table 61

### Correlations of the Saliency Variable With Summary Self Evaluations

Self Evaluations	Saliency
D-T affective scale	.18
Overall satisfaction with self	.11

## Variables Predicting Positive Evaluation of the Self Domain

Stepwise multiple regression procedures were used to measure the relative contribution of the five facet satisfactions, saliency, comparisons, control, and rank in predicting overall satisfaction with self. Six variables together accounted for 59% of the variance, the most potent predictors being satisfaction with physical appearance, and satisfaction with general competence. Table 62 summarizes the results of this regression.

A similar stepwise multiple regression was conducted to determine the best predictors of positive affective evaluation in this domain. To the list of candidate predictors was added overall satisfaction. As can be seen in Table 63, the prediction was a little less successful, with three variables together accounting for only 49% of the variance. Most potent was extent to which the individual was in control, followed by satisfaction with progress toward goals.

Table 62

Multiple Regression Predicting Overall Satisfaction With Self

Variable	Multiple R	R <sup>2</sup>	Beta In
Physical appearance	.61	.37	.61
General competence	.69	.49	.34
Progress towards goals	.73	.54	.25
Self-discipline	.75	.57	.22
Control over life	.76	.58	.10
Ability to get along with others	.77	.59	.05
Saliency	.77	.59	-.02
Begun a degree program	.77	.59	-.02
Job skills	.77	.59	-.02
Personal development as a Marine	.77	.59	.01
Obtained college degree	.77	.59	.01
Personal enrichment classes	.77	.59	.01
High school equivalency	.77	.59	.01
Personal accomplishments as a Marine	.77	.59	-.01
Rank	.77	.59	-.002
Taken college classes	.77	.59	-.001

Table 63

Multiple Regression Predicting Overall Feelings About Self

Variable	Multiple R	R <sup>2</sup>	Beta In
Control over life	.59	.35	.61
Progress towards goals	.67	.45	.40
Feelings about self overall	.70	.49	.25
Personal development as a Marine	.70	.54	.22
Ability to get along with others	.70	.57	.14
Self-discipline	.71	.58	.10
Saliency	.71	.59	.05
Personal development compared to civilians	.71	.59	-.02
Physical appearance	.71	.59	-.02
Taken college classes	.71	.59	.02
High School equivalency	.71	.59	.01
Job skills	.71	.59	.01
General competence	.71	.59	.01
Personal enrichment classes	.71	.59	-.01
Rank	.71	.59	-.002
Begun a degree program	.71	.59	-.001

## Summary of the Self Domain

A majority of the Marines in the Camp Lejeune sample reported having positive feelings about self. Positive evaluation of this domain was correlated somewhat with pride in being a Marine. Older Marines were more positive than younger, Blacks led the rest in positive feelings about self, and being married or involved in an intimate relationship was associated with higher positiveness. Gender differences were not significant.

The mean score for overall satisfaction (the cognitive measure) was higher than the mean for feelings about self (the affective measure). Subgroup differences for overall satisfaction paralleled subgroup differences in feelings. Overall satisfaction was most positively correlated with satisfaction with personal appearance and satisfaction with general competence. Highest satisfaction was recorded for self-discipline, while the lowest mean satisfaction score was for progress toward goals. This was generally true also for all subgroups.

More respondents thought their personal development was better as a Marine than it would have been had they remained civilians. Also, when comparing their own accomplishments to those of other Marines of the same rank, most respondents rated their own accomplishments equal or higher.

Personal development had relatively high salience. Those who scored highest on positive feelings about self, and on overall satisfaction with self, tended to think less often about personal development.

## **Section Four**

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### **Quality of Life as a Whole**

## Quality of Life as a Whole

Whereas any particular domain of life may occupy the attention of an individual at a particular point in time, that same individual is able to somehow summarize his or her affective and cognitive assessments in the various domains and arrive at some overall assessment of quality of life in general. Perhaps the various life domains contribute differentially to this overall assessment; perhaps the salience of each domain fluctuates. There are, no doubt, QOL domains which were not addressed by the survey, a supposition supported by the fact that, in no case, was either the affective or the cognitive assessment in any domain fully predictable using only the variables provided by the survey itself. However, the complexities of human assessments aside, an individual is able to arrive, by whatever means, at a conclusion with respect to overall quality of life.

In the survey, Marines were asked to respond to several items having to do with "life as a whole." These were attempts to provide multiple measures of global quality of life. Subsequently, those responses were cumulated into a single measure of quality of life as a whole.

### Measures of Life as a Whole (MLW)

The Marine Corps Quality of Life Survey incorporated six measures (affective and cognitive) of life as a whole, two single-item measures, and four multiple-item indices:

**MLW 1** measured feelings about life as a whole, using the D-T scale (i.e., "delighted" to "terrible");

**MLW 2** offered descriptors of one's life, ranging from "ideal" to "miserable";

**MLW 3** measured satisfaction with life overall, with scale anchors ranging from "very satisfied" to "very dissatisfied";

**MLW 4** was a comparison of the respondent's life as a whole, with that of a particular friend of the same age;

**MLW 5** was an adapted version of the Life Characteristics Scale (LCS) (Campbell, Converse, & Rodgers, 1976), a semantic differential-based rating of seven dimensions of the respondent's life; and

**MLW 6** was the Satisfaction with Life (SWL) Scale (Diener, Emmons, Larsen, & Griffin, 1985), with which respondents indicated agreement or disagreement with five items which were subsequently combined to yield an index of affect (feelings).

### Responses to Measures of Life as a Whole

The following is a synopsis of the responses to the various measures of Life as a Whole.

#### Single-Item Measures (MLWs 1-4)

Each of the single-item measures used a seven-point scale, coded so that the highest number (7) would, in all cases, represent the most positive response. On each of the single-item measures,

the mean score for the sample as a whole was slightly above the midpoint of the scale, i.e., just into the positive zone, except for MLW 2, which was below the midpoint.

**MLW 1** Six out of 10 (59.0%) gave a positive response to this item which used the familiar D-T scale. Another 24.5 percent chose a neutral response. Only 16.5 percent chose the negative responses of “mostly unhappy” (9.5%), “unhappy” (4.8%), or “terrible” (2.2%).

**MLW 2** On this measure, the respondent was asked to choose a response that most accurately described her or his life. The range was from “miserable” to “ideal life.” The three middle range responses were most popular. “A good enough life for now,” the neutral response, was endorsed by 26.2 percent of the Marines responding to the sample; “the best kind of life I am able to have now” (a positive response) was given by 25.6 percent; and “a tolerable life for now” (a negative response) was chosen by 25.4 percent. Far fewer respondents chose either of the two most negative (14.1%) or two most positive (8.7%) responses.

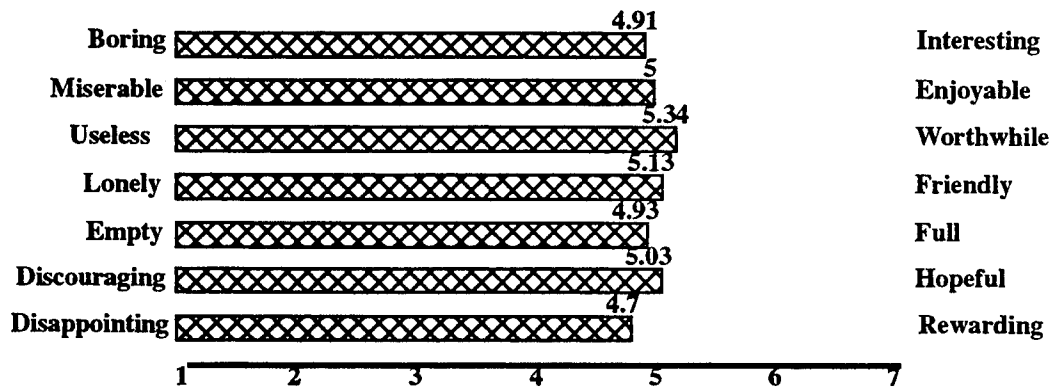
**MLW 3** This was the same cognitive measure used in the domain satisfaction assessments. More than half of the Marines sampled (58.5%) reported some measure of satisfaction with their life as a whole: “mostly satisfied” (28.3%), “satisfied” (24.4%), “completely satisfied” (5.7%). Those endorsing “neither satisfied nor dissatisfied” totalled 14.4 percent. On the negative side, 17.2 percent were “somewhat dissatisfied,” 6.7 percent were “dissatisfied,” and 3.2 percent were “completely dissatisfied.”

**MLW 4** After selecting a particular friend of about the same age, the Marine responding to the survey compared his or her own life as a whole with that person’s life as a whole. One-third of those responding (33.4%) said the two were about the same. A majority (39.2%) thought their own life was better, while 27.4 percent thought their own was worse. Response tallies for the two polar extremes were almost equal: “a lot worse” at 4.0 percent, and “a lot better” at 4.8 percent.

#### **Multiple-Item Measures (MLW 5-6)**

The two multiple-item measures of life as a whole used their own scales. The mean score for one measure was above the midpoint of its scale, that for the other measure below its scale’s midpoint.

**MLW 5** The Life Characteristics Scale, a composite measure, asked the respondent to consider seven adjective pairs presented in a semantic differential format, with polar terms were placed at the extremes of a seven-point rating scale. Some pairs were reverse coded to ensure that the most positive adjective always had the highest score across all seven dimensions. Average scores on the seven dimensions ranged from a low of 4.69 (the disappointing-rewarding dimension) to a high of 5.27 (the useless-worthwhile dimension). The mean rating for each dimension is shown in Figure 3.



**Figure 3. Mean scores--LCS components.**

Responses across dimensions were averaged to yield a single LCS score on the seven-point scale. Results of a factor analysis indicated that all seven items had significant loadings on a single factor, which accounted for 70 percent of the variance. Reliability analysis yielded an internal consistency alpha of .89. Inter-item correlations ranged from a high of .79 between discouraging-hopeful and disappointing-rewarding, to a low of .47 between friendly-lonely and useless-worthwhile.

A high score on the LCS indicates that the respondent tends to view her or his life in positive terms. Just over one-half (56.6%) of these Camp Lejeune Marines had scores on this measure of five or higher. At the polar extremes, 7.5 percent of those responding to the survey described their lives as completely interesting, rewarding, worthwhile, etcetera, while a scant 1.5 percent said their lives were totally boring, useless, discouraging, and so forth. A little more than one in five (23.4%) had scores below the midpoint of the scale, that is, in the negative zone. The mean was 4.94.

**MLW 6** The Satisfaction with Life Scale contained five positive statements about life as a whole. Survey participants indicated how much they agreed with each statement, using a seven-point scale whose polar anchors were “strong disagreement” and “strong agreement.”

The five component items of the SWL Scale loaded on one common factor which accounted for 70 percent of the variance. Reliability analysis yielded an internal consistency alpha of .89, indicating that it was appropriate to combine the components additively. SWL Scale scores represent the average level of agreement across the five components of the scale.

The mean score on this measure was 3.78, a little below the midpoint of 4.0. Of the component items, the Marines in the sample were most likely to disagree with the statement “If I could live my life over, I would change almost nothing.” They were most likely to agree with the statement “I am satisfied with my life.”

### **Relationships Among Life As A Whole Measures**

Intercorrelations among the six measures of life as a whole are presented in Table 64. These intercorrelations ranged from a low of .40 (between MLW-1, the D-T Scale and MLW-4, social comparison) to a high of .75 (between MLW-3, the cognitive satisfaction scale and MLW-5, the

Life Characteristics Scale). The moderate correlation coefficients obtained suggest that the various scales are measuring slightly different aspects of overall quality of life. However, only one common factor was extracted.

**Table 64**

**Intercorrelations Among Global QOL Measures**

	LAW 1	LAW 2	LAW 3	LAW 4	LCS	SWL
LAW 1		.68	.60	.40	.74	.62
LAW 2 (Life description)			.60	.41	.71	.67
LAW 3 (Life satisfaction)				.48	.62	.75
LAW 4 (Social comparison)					.41	.48
LCS Scale						.65
SWL Scale						

Note. All coefficients are significant at  $p < .001$ .

**Relationships Among Domain Measures and Overall Quality of Life**

Correlations were computed between each of the domain affective and cognitive scores and each of the global scores. These correlations are presented in Table 65. Showing the strongest correlation with the global measures, very generally, were income, job, and self. Weakest correlations were generally found between global measures and relationships with children and relationships with relatives. To a very slight degree, correlations between domain affective assessments and global measures tended to be stronger than correlations between domain cognitive assessments and global measures.

Table 65

## Correlations of Domain Measures With Global QOL

Domain Measures	Global QOL Measures					
	LAW 1	LAW 2	LAW 3	LAW 4	LCS	SWL
<b>Residence</b>						
D-T	.48	.46	.41	.32	.50	.49
Satisfaction	.42	.43	.40	.29	.45	.47
<b>Neighborhood</b>						
D-T	.36	.39	.35	.25	.43	.42
Satisfaction	.34	.37	.36	.27	.41	.43
<b>Leisure and Recreation</b>						
D-T	.39	.37	.37	.19	.43	.39
Satisfaction	.38	.38	.34	.26	.40	.43
<b>Health</b>						
D-T	.46	.43	.44	.29	.47	.43
Satisfaction	.39	.38	.44	.26	.44	.42
<b>Friendships</b>						
D-T	.38	.35	.39	.21	.43	.34
Satisfaction	.33	.28	.35	.19	.38	.34
<b>Marriage/Relationship</b>						
D-T <sup>a</sup>	.41	.41	.44	.29	.49	.45
Satisfaction	.23	.19	.28	.15	.25	.27
<b>Children</b>						
D-T	.03	-.05	.10	.02	.04	.01
Satisfaction	.35	.33	.39	.35	.34	.41
<b>Other Relatives</b>						
D-T	.29	.27	.35	.20	.32	.29
Satisfaction	.25	.21	.29	.22	.28	.27
<b>Income/Standard of Living</b>						
D-T	.51	.53	.53	.38	.52	.60
Satisfaction	.43	.44	.46	.33	.43	.55
<b>Job</b>						
D-T	.51	.54	.45	.35	.56	.53
Satisfaction	.44	.46	.45	.35	.53	.52
<b>Self</b>						
D-T	.66	.59	.65	.41	.68	.64
Satisfaction	.41	.34	.49	.30	.48	.43

Notes.

1. All coefficients are significant at  $p < .001$ .

2. *N*s varied from 678 to 1,119 for the Relations with Children domain.

<sup>a</sup>A Separate D-T scale was used for members not seriously involved in a relationship.

**The Global Quality of Life Composite**

While multiple measures of a single concept serve to enhance measurement reliability and validity, the resulting increase in complexity militates against easy interpretation of analysis results. Recognizing the value of multiple measures, it nevertheless seemed advisable to either

reduce the number of measures, or cumulate them into some meaningful composite, in order to facilitate the use of the findings of this study in operational programs.

To ascertain the appropriateness of a single composite measure, the six life as a whole variables were subjected to a principal components factor analysis. The result was the extraction of a single factor which accounted for 66 percent of the variance. Loading most highly on this factor was the SWL Scale, the satisfaction with life scale, followed in order by MLW 5, the modified LCS, MLW 1, the D-T scale, MLW 2, the single item life description, MLW 3, the satisfaction item, and MLW 4, the social comparison item. Factor loadings ranged from .38 to .74. Therefore, the factor analysis supported an underlying single-factor structure, each of the measures accounting for a significant increase in variance accounted for.

The resulting composite was subjected to reliability analysis to determine internal consistency. The obtained coefficient alpha of the QOL composite was .90. This excellent reliability further supported the appropriateness of a global composite.

The resulting distribution of scores on the global QOL composite ranged from a low of six to a high of 41 (the latter being one point below the highest positive score possible across the six measures). The mean of the distribution was 25.5, very slightly below the midpoint of the scale, which was 26.3.

### **Subgroup Differences in Global QOL Ratings**

Analysis of variance procedures were used to investigate subgroup differences in assessments of global quality of life. These differences are discussed below.

#### **Demographics and Global QOL**

Analysis of variance showed that marital status and rank group both accounted for significant differences; interactions between the two, however, did not. Married scored higher on global QOL than either the formerly married or those who had never been married. Senior enlisted scored higher than junior enlisted, but senior officers scored lower than their junior counterparts; warrant officers scored highest of all. Women averaged higher Global QOL than men. Scores increased uniformly with age group. With respect to relationship status, married respondents scored higher than the singles who were involved in an intimate relationship; singles who were not involved in a relationship scored lowest. No significant differences could be attributed to race. Table 66 presents a cross-tabulation between marital status and rank group.

Table 66

**QOL Global Composite Means by Marital Status and Rank Group**

Marital Status	Rank Group				
	E-2--E-5	E-6--E-9	W-O	O-1--O-4	O-4--O-9
Married	25.57	28.54	31.31	31.74	29.73
Single, Never Married	21.59	27.15	33.20	N/A	N/A
Single, Previously Married	23.52	25.33	36.80	30.68	N/A

**Person-Environment Fit and Global QOL**

Two variables were computed to measure the concept of P-E fit. The first reflected the match between the characteristics of the respondent's current job in the Marine Corps and that person's ideal job. For the five job characteristics, ideal job ratings were subtracted from current job ratings; a score of zero indicated a match, while discrepancy scores could reach from minus four to plus four (-4 to +4), with zero at the center. Thus, the closer the score to zero, the better the fit between person and job.

The second variable was computed from responses to three items that reflect the fit between the individual and Marine Corps life. The items were:

"I talk up the Marine Corps to my friends as a great outfit to be associated with."

"I find that my values and the Marine Corps' values are very similar."

"The Marine Corps is the best of all places for me to work."

Survey participants indicated their agreement with each statement, using a seven-point scale whose polar anchors were 1--strongly disagree and 7--strongly agree. Ratings were then summed. Thus scores for this variable could range from three to 21.

The two P-E fit variables were moderately correlated ( $r = -.44, p = .000$ ). Correlations between each variable and the global QOL composite were .43 for job P-E fit, .55 for the Marine Corps fit.

**Perceptions of Civilian Alternatives and Global QOL**

For each of the QOL domains, respondents compared their current situation with what they imagined their situation would be if they were civilians. Cumulating these scores resulted in an overall civilian comparison score.

Marines who perceived that their situations would be better if they were civilians would probably perceive their global QOL less favorably. Indeed, such was the case. A moderate but significant negative correlation ( $r = -.31, p = .000$ ) was found between the global QOL and overall civilian comparison scores.

## Predicting Global QOL from Domain QOL

A series of multiple regressions were performed to measure the contribution of the various domains to global QOL. Variables included the D-T score and the overall satisfaction score for each domain (two satisfaction scores for the Relationships with Children domain--those who had children living with them and those whose children resided elsewhere). Organizational commitment was also included as a candidate variable because of its presumed effect of QOL perceptions. Table 67 shows the result of the stepwise regression for the total sample, and Tables 68 and 69 show the results for married and unmarried respondents, respectively.

Table 67

### Multiple Regression Predicting Global QOL--Total Sample

Variable	Multiple R	R <sup>2</sup>	Beta In
Feelings about self overall	.62	.38	.62
Income and standard of living	.70	.49	.36
Commitment	.74	.54	.24
Marriage/Intimate relationship	.75	.57	.17
Satisfaction with income	.76	.58	.18
Feelings with child not living with you	.77	.59	.10
Feelings about job	.78	.60	.13
Satisfaction with residence	.78	.61	.10
Friends and Friendship	.78	.62	.09
Satisfaction with neighborhood	.79	.62	-.09
Leisure and recreation	.79	.62	.06
Self and self development	.79	.63	.05
Satisfaction with marriage	.79	.63	.03
Satisfaction with recreation	.79	.63	-.03
Satisfaction with relatives	.79	.63	.03
Feelings with child living with you	.79	.63	-.02
Feelings about neighborhood	.79	.63	.03
Feeling about residence	.79	.63	-.02
Satisfaction relationship with children	.79	.63	-.01
Satisfaction with friends	.79	.63	.01
Feelings about health	.79	.63	.01
Satisfaction with health	.79	.63	-.01
Feelings about relations with relatives	.79	.63	-.01
Satisfaction with job	.79	.63	-.004

Table 68

## Multiple Regression Predicting Global QOL--Married Sample

Variable	Multiple R	R <sup>2</sup>	Beta In
Self and self development	.62	.39	.62
Satisfaction with income	.70	.49	.34
Commitment	.73	.54	.23
Marriage/Intimate Relationship	.75	.57	.20
Feelings with child not living with you	.76	.58	.13
Income and standard of living	.77	.60	.17
Feelings about job	.78	.61	.12
Friends and friendship	.78	.61	.11
Satisfaction with residence	.79	.62	.09
Satisfaction with neighborhood	.79	.62	-.09
Leisure and recreation	.79	.63	.04
Satisfaction with recreation	.79	.63	-.04
Satisfaction with relatives	.79	.63	.03
Residence	.79	.63	.04
Satisfaction with marriage overall	.79	.63	.03
Satisfaction with friends	.79	.63	.02
Feelings with child living with you	.79	.63	-.02
Self and self development	.79	.63	.02
Feelings about neighborhood	.79	.63	.01
Satisfaction with job	.79	.63	.01
Feelings about health	.79	.63	.004
Satisfaction relationship with children	.79	.63	-.003
Satisfaction with health	.79	.63	-.002

Table 69

Multiple Regression Predicting Global QOL--Unmarried

Variable	Multiple R	R <sup>2</sup>	Beta In
Feelings about health	.54	.30	.54
Satisfaction with recreation	.67	.44	.38
Feelings about self	.73	.53	.36
Satisfaction with income	.77	.60	.29
Feelings about job	.80	.64	.29
Feelings about neighborhood	.84	.71	-.34
Satisfaction with marital relations	.85	.73	.19
Marriage/Intimate Relationship	.88	.77	-.33
Satisfaction with neighborhood	.89	.79	.34
Income and standard of living	.91	.82	.31
Satisfaction with residence	.92	.84	.31
Feelings with child living with you	.93	.87	-.21
Satisfaction relationship with children	.94	.89	-.19
Self and self development	.95	.90	.19
Commitment	.96	.92	.17
Satisfaction with health	.96	.93	-.29
Feelings with child not living with you	.96	.93	.13
Satisfaction with job	.97	.94	-.58
Feelings about relations with relatives	.98	.95	.17
Satisfaction with relatives	.99	.98	-.68
Satisfaction with friends	1.0	1.0	.53
Residence	1.0	1.0	-.38
Leisure and recreation	1.0	1.0	.12

Feelings about self emerged as the most potent predictor in two cases, total sample and married personnel; for single Marines, the top predictor was feelings about health. Second for the sample as a whole was feelings about standard of living, whereas second for both married and single was overall satisfaction. In each case, most of the variance was accounted for by six variables--77 percent for the total and married samples, and 84 percent for the unmarried sample.

It has been suggested that the weight of the domains might influence global QOL. To test this, each domain's D-T and overall satisfaction score were weighted by multiplying that score by the salience score for the same domain (except for the job domain, wherein no salience score was obtained). The regressions were then re-run. The results were indeed different. Feelings about job emerged as the strongest predictor for all three groups. Tables 70, 71, and 72 summarize the results of these regressions.

Table 70

Multiple Regression Predicting Global QOL--Total Sample<sup>a</sup>

Variable	Step	Multiple R	R <sup>2</sup>
Job	1	.52	.27
Income and standard of living	2	.61	.38
Satisfaction with job	3	.63	.40
Friends and friendship	4	.65	.42
Commitment	5	.65	.43
Self and self development	6	.67	.44
Satisfaction with self	7	.69	.48
Satisfaction with residence	8	.70	.48
Marriage/Intimate relationship	9	.70	.49
Satisfaction with income	10	.70	.49
Satisfaction with relatives	11	.70	.49
Feelings with child living with you	12	.70	.49
Satisfaction relationship with children	13	.71	.50
Satisfaction with friends	14	.71	.50
Neighborhood	15	.71	.50
Residence	16	.71	.50
Satisfaction with marriage	17	.71	.50
Satisfaction with recreation	18	.71	.50
Feelings about relations with relatives	19	.71	.50
Health	20	.71	.50
Satisfaction with health	21	.71	.50
Satisfaction with neighborhood	22	.71	.50
Feelings with child not living with you	25	.71	.50

<sup>a</sup>Weighted D-T and Satisfaction values.

Table 71

Multiple Regression Predicting Global QOL--Married\*

Variable	Step	Multiple R	R <sup>2</sup>
Job	1	.51	.26
Income and standard of living	2	.61	.37
Satisfaction with job	3	.62	.39
Self and self development	4	.64	.41
Satisfaction with self	5	.66	.44
Commitment	6	.68	.47
Satisfaction with friends	7	.69	.48
Satisfaction with residence	8	.70	.48
Satisfaction with relatives	9	.70	.49
Marriage/Intimate relationship	10	.70	.49
Satisfaction with income	11	.70	.49
Feelings with child living with you	12	.70	.49
Satisfaction relationship with children	13	.71	.50
Satisfaction with marriage	14	.71	.50
Satisfaction with neighborhood	15	.71	.50
Residence	16	.71	.50
Health	17	.71	.50
Satisfaction with recreation	18	.71	.50
Feelings with child not living with you	19	.71	.50
Neighborhood	20	.71	.50
Feelings about relations with relatives	21	.71	.50
Satisfaction with health	22	.71	.50
Friends and friendship	23	.71	.50
Leisure and recreation	24	.71	.50

\*Weighted D-T and Satisfaction values.

Table 72

## Multiple Regression Predicting Global QOL--Unmarried\*

Variable	Step	Multiple R	R <sup>2</sup>
Job	1	.57	.33
Satisfaction with income	2	.69	.48
Satisfaction with job	3	.74	.54
Friends and friendship	4	.79	.62
Feelings about relations with relatives	5	.83	.69
Marriage/Intimate relationship	6	.91	.82
Commitment	7	.91	.84
Satisfaction with friends	8	.92	.85
Leisure and recreation	9	.93	.86
Income and standard of living	10	.94	.89
Feelings with child not living with you	11	.95	.90
Satisfaction with recreation	12	.95	.91
Satisfaction with neighborhood	13	.96	.92
Satisfaction with residence	14	.97	.93
Satisfaction with self	15	.97	.95
Residence	16	.98	.95
Feelings with child living with you	17	.98	.96
Satisfaction relationship with children	18	.98	.96
Neighborhood	19	.99	.99

\*Weighted D-T and Satisfaction values.

### Summary of Global Quality of Life Findings

Six measures of global QOL were included in the survey. Response totals for each measure except two were slightly weighted on the positive side, although the average scores hovered about the midpoint. When a global QOL composite score was constructed, the distribution of scores was wide-ranging; however, the mean was somewhat above the midpoint. All in all, global QOL was not very high by any measure used. Married Marines tended to score higher on QOL, which generally increased with rank and age. Women scored higher than men on global QOL.

QOL perceptions are affected by person-environment fit and by comparison with civilians. Somewhat higher global QOL is associated with better fit, and Marines who perceived their situations favorably compared with a civilian alternative tended to score higher on global QOL.

The strongest predictor of global QOL for the sample as a whole and for married respondents was feelings about self; for singles, it was feelings about health. Six variables together accounted for 77-84 percent of the variance when predicting global QOL from domain QOL.

In summary, it appears that construction of a single global composite using the domain QOL scores is defensible, and that the resulting composite score relates meaningfully to other variables (e.g., P-E fit). However, average global QOL composite scores, like most of the average domain QOL scores, do not distance themselves greatly from the scalar midpoints. Subgroup differences appear, but, for practical purposes do not amount to very much.

**Section Five**

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**Organizational Outcomes and Quality of Life**

## Organizational Outcomes and Quality of Life

Enhancement of the quality of life of its members is a laudable organizational goal in and of itself. Nevertheless, if quality of life indeed has effects on organizational and individual productivity and performance, such effects must be identified and measured. It has been thought that quality of life exerts its influence on such things as operational readiness, work quality, performance, and retention. Indirectly, quality of life could influence recruitment through perceptions of QOL in the Marine Corps by potential applicants, perceptions derived from media coverage or from conversations with Marines themselves who discuss quality of life in the Corps.

Outcome variables measured in the Marine Corps Quality of Life Survey include personal readiness, intention to remain on active duty, and individual performance. Each variable was measured using a combination of indicators drawn from a variety of survey items. Thus, unlike the results discussed previously (for the various domains of QOL), results in this section are based on any number of items which were embedded in the several sections of the survey. Discussed below are the descriptive statistics for each of the three variables, and their relationship to global quality of life.

### Personal Readiness

Personal readiness focuses on individual, job, and family conditions which might affect an individual's ability to move out quickly and, in the end, to perform effectively in the field. Thus, the present study used a multidimensional construct to represent this variable.

#### Components of Personal Readiness

Nine component items were combined to yield a composite measure of personal readiness. Descriptive statistics for each of the nine elements are presented in the pages that follow.

**Perceived Adequacy of Training.** Respondents indicated how well they perceived their training to have prepared them for their present job, using a five-point scale anchored from "not at all" to "completely." The modal response was "pretty well" at 41.3 percent; "somewhat" was second at 26.0 percent, followed by "barely" at 14.2 percent. The polar opposite responses of "completely" and "not at all" were endorsed relatively equally at 8.7 percent and 9.7 percent, respectively. Perceived adequacy of training was greatest for warrant officers, least for junior enlisted. Age was positively correlated with perceived adequacy of training, but there were no significant differences by gender or race.

**Job-Related Problems.** Seven items described specific job-related problems (e.g., "mind not on job" or "problems with a superior"), and survey participants were asked to indicate how frequently they had experienced these difficulties. Table 73 summarizes their responses.

Table 73

Reported Frequency of Job Problems

Problem	Frequency				
	None of the Time (%)	A little of the Time (%)	Some of the Time (%)	Most of the Time (%)	All of the Time (%)
Mind not on job	16.1	34.8	34.7	8.9	5.5
Lost temper	25.9	30.4	30.3	9.0	4.5
Accomplished less than one would like	17.0	37.5	32.2	9.6	3.8
Not at one's best	15.6	48.7	25.2	7.4	3.1
Likely to make mistakes	24.2	52.9	17.6	3.2	2.1
Performance criticized by co-workers	53.5	25.2	12.9	5.1	3.3
Problems with a superior	50.1	21.2	16.9	6.9	4.9

A fourth of the respondents (n = 276, or 24.5%) reported not having any of the job-related problems during the previous month. Not unexpectedly, many acknowledged having times when they were not at their best, or when they accomplished less than they would like to have accomplished. Problems with a superior and criticism of their performance by co-workers received infrequent endorsements.

Responses across the seven items were cumulated to produce an index of job-related problems. Junior enlisted were found to have greater frequency of job-related problems than senior enlisted or officer personnel. Relatedly, younger Marines had more problems than their older counterparts. Neither race nor gender made a difference, however, relationship and marital status did. Married Marines had more problems than single Marines who were involved in an intimate relationship, while singles not involved reported the most problems. With respect to marital status, married individuals had the fewest problems, those formerly married came in second, and those who had never been married had the most.

**Lost Time**

The survey incorporated items addressing time lost for personal and for family reasons. Only data from the married respondents was included in the analyses for time lost for family reasons.

**Time Lost for Personal Reasons.** For the sample as a whole, health was the leading cause of lost time from work, followed by other personal reasons, and personal business. Much lower were transportation and education. Married Marines had more trouble with lost time due to pregnancy. Collectively, only 6.3 percent of the women in the sample reported any time off during the preceding month due to pregnancy, and for a mere 0.2 percent did time off measure a full day or more. Those formerly married led in time off for personal business and other personal reasons.

Regardless of the reason, time lost for personal reasons tended to be minimal. For the month preceding the survey, time lost amounted to two hours or less 88-95 percent of the time.

**Time Lost for Family Reasons.** Five subcategories of time lost due to family situations were used: children, spouse, transportation, family business, and other reasons. Family business and caring for children were most frequently cited as reasons for time lost. Other family matters and family business came next, with transportation receiving the lowest percentage of endorsements. Reporting no time lost for any of these reasons during the preceding month were 71-82 percent of the respondents (all married Marines). For any reason, time off reached one day or more for at most 3.7 percent of the respondents. Absences of more than five days never exceeded 1.8 percent.

### Missing Maneuvers or Exercises

Marines taking the survey were asked if they had missed, arrived late to, or departed early from, maneuvers, exercises, or no-notice alerts, and, if so, the reason(s) therefor. Nearly half the sample (46.3%) indicated that such events did not occur for them. Of those for whom the maneuvers and alerts had occurred (53.7%), time losses were minimal: 94.1 percent had missed no maneuver, nor been late or left early. Absent were 1.9 percent, while 2.0 percent arrived late and 2.0 percent left early.

In sum, only 5.6 percent of the total sample missed any time from these events. The reasons for the few cases of absence from maneuvers, exercises, or no-notice alerts are shown in Table 74.

**Table 74**

**Reasons Given for Time Lost From Maneuvers, Exercises, or Alerts  
(*n* = 96)**

Reason	Frequency (%)	
	Arrived late/left early	Missed entirely
Personal illness	50.0	50.0
Family illness	88.9	11.1
Personal or family business	66.7	33.3
Legal matters	66.7	33.3
Command failed to reach	100.0	0.0
Other	57.7	42.3

### Commitment to the Marine Corps

Eleven items were used to measure commitment. The items were statements to which respondents indicated agreement or disagreement on a 7-point scale, 1 being strong disagreement, and seven representing strong agreement. Each respondent achieved a mean commitment score, and these scores ranged from 1.00 to 6.91, with an average of 3.70, somewhat below the scale's midpoint of 4.00.

Commitment correlated positively with rank ( $r = .23$ ) and tenure in the Marine Corps ( $r = .31$ ). Mean commitment score was highest for warrant officers (4.87), followed in order by senior officer (4.55), junior officers (4.51), senior enlisted (4.31), and junior enlisted (3.42). Commitment was linearly related to age. By relationship status, married respondents showed higher commitment than unmarried, whether the latter were in an intimate relationship or not. Differences were also

found by marital status, with formerly married being least committed, married being most committed, and never married Marines in the middle. Other were most committed, followed by Hispanics, Whites, and Blacks in that order. Gender accounted for no significant differences in commitment.

There were indications that commitment bore a relationship to time lost from duty. Those who had lower commitment scores tended to be the ones who also had lost time. Time lost for personal reasons correlated slightly negatively with commitment ( $r = -.08, p = .003$ ), but time lost for family reasons showed no significant relationship.

### **Confidence in Spouse or Partner Self-Sufficiency**

This measure was included in the personal readiness composite on the belief that the Marine would be more able to attend to her or his duties if the spouse or intimate partner was believed to be self-sufficient and able to take care of situations at home.

The Marines were asked, if they were to be away for a period of six months, how capable the spouse or partner would be to take full responsibility for each of eight concerns. Responses were made on a five-point scale, anchored with 1, "extremely capable," to 5, "not at all capable." A mean score across all eight concerns was then computed.

For finances, spouses were rated quite favorably: "capable" (22.6%), "very capable" (18.3%), and "extremely capable" (50.7%). In contrast, "not so capable" (5.9%) and "not at all capable" (2.6%) were response alternatives chosen by very few. Spouses received the lowest capability rating for managing residential maintenance and for managing investments, with scores just below the scale midpoint. Emotional and parenting matters was the other element with a score on the negative end of the scale. Ratings for family's health, finances, and safety of family had mean scores below the scale's midpoint.

### **Adequacy of Child Care**

If their Marine duties were to take them away for a period of six months or more, 84.5 percent of those with children felt "completely sure" of the ability of the person with whom their child(ren) were left to fully care for them; another 10.6 percent were "very sure." Only 3.2 percent were at all unsure about the care of their children. More than eight out of 10 (86.0%) said the children's caretaker would be the spouse, and another 6.2 percent cited an immediate family member. Those persons being most confident of their children's care were much more likely to cite the spouse as the caregiver; those most unsure had a high percentage of "other" (23.1%).

### **Preparations for Absence**

Ten items assessed the Marine's preparations for deployments, particularly move outs that might occur with little or no warning. Generally, the items had to do with things that make it easier to cope with family separation and the management of personal affairs. Some items (e.g., joint checking account) applied primarily to married personnel, while making a will or arranging for bill payments applied to almost all respondents. The figures below exclude those who checked "n/a"

(often most of the respondents), so the actual numbers of persons indicating having made preparations for any one thing might be only a few hundred in some cases.

Fourteen percent (14.3%) of these Camp Lejeune Marines felt that none of the items applied to them. Claimed applicability of the particular items ranged from a low of 2.20 percent of the respondents, to a high of 15.5 percent.

Less than half (45.5%) had drawn up a will, close to the 35.0 percent who had established a joint checking account. Just half (49.6%) had given power of attorney. Where elder care was a consideration, 76.4% had made advance preparations. Considering the exigencies of service in the Marine Corps, fairly low numbers had prepared for storage of possessions (53.6%), care of pets (37.4%), and official records (51.0%). Even lower percentages of these Marines had prepared for payment of bills (26.4%), lease obligations (35.7%), and management of investments (31.4%).

An overall deployment preparation index was computed by dividing the number of actions in the list not marked "n/a" by the number of those items on which action had been taken. This procedure yielded percentage scores ranging from zero to 100, with an average of 54, not as high an average score as might be desired.

Subgroup analyses revealed that preparation increased with rank and age, in a generally linear fashion. Race and gender accounted for no significant differences in advance preparation for extended absence from home. With respect to relationship status, married Marines were much more prepared than single Marines, involved or not. And, by marital status, those married were most prepared, followed in order by those formerly married and those never having been married.

### **Personal Readiness Composite**

The composite measure of personal readiness was derived from the responses on the nine component variables just discussed. All contributing items were coded so that undesirable options were assigned negative values and desirable options positive. The positive and negative data points were balanced around a neutral response coded as zero. Because the components used a variety of response scales, all raw scores were transformed into standardized z scores in order to have a common metric before the scores were combined. Procedures for computing composite scores were adjusted so that the scores of single Marines would not be adversely affected by the "not applicable" (n/a) responses on the two component measures which addressed spouse and children.

The resulting composite yielded a range of scores from -19 to +9, with a mean of -.36. Higher scores indicate a higher level of personal readiness. In the distribution of scores, 50.9 percent of the respondents had negative scores, and 49.1 percent scored in the positive range. Readiness increased generally but not really linearly with rank; the middle age group showed highest readiness. Hispanics were most ready, followed in order by Other, White, and Black. Gender, marital status, and relationship status accounted for no significant differences.

The global QOL composite correlated at .38 ( $p = .000$ ) with the personal readiness composite. This indicates only a very moderate relationship, a shared variance of some 14 percent between the two measures. The relationship between the two was tested further by contrasting the QOL levels achieved by those individuals at the extremes of the distribution, that is, those persons ( $n = 221$ )

with the highest 20 percent of the personal readiness scores, and those ( $n = 227$ ) with the lowest 20 percent. Global QOL averaged 29.64 for the group with the highest scores, versus an average of 22.23 for persons in the lowest scoring group, a statistically significant difference.

## Retention

The organizational outcome variable of retention was measured using a single indicator, intention to remain on active duty.

### Intention to Remain

Marines responding to the survey could chose, from a list of six options, the statement that best described their intentions at that time. Statements ranged from intending to stay in the Marine Corps until retirement, to intending to get out as soon as possible. A provision was also made for those individuals who had planned a career in the Marine Corps but were being released because of the drawdown. Table 75 shows the percentage of responses in each category. Thirty-five percent (35.5%) intended to leave as soon as possible, and 23.0 percent were unsure of what to do. Approximately one out of four (29.9%) intended to stay until or beyond retirement eligibility.

**Table 75**

### Intentions to Stay

Reenlistment Intentions	Percent
Remain on active duty until eligible for retirement or beyond	29.9
Remaining on active duty, but planning to leave prior to retirement	8.8
Not sure about career intentions	23.0
Intending to leave Marine Corps as soon as possible	35.5
Intended to remain on active duty, but being released due to drawdown	2.8

Significant differences were found on all subgroup variables. Intention to remain was higher for senior enlisted and officers than for their more junior contemporaries, and warrant officers showed the greatest intention to remain. Of 761 E-2 to E-4s, 45.5 percent were leaving the Marine Corps as soon as they could, while another 27.9 percent were unsure of what to do; only 23.7 percent were staying. Stayers exceeded leavers in all other rank groups; senior enlisted (74.3% vs. 12.5%), warrant officers (100.0% vs. 0.0%), junior officers (63.5% vs. 11.5%), and senior officers (100.0% vs. 0.0%). Somewhat related to these findings with respect to rank, intention to remain on active duty increased linearly with age.

The "Other" group had the highest intention to remain (54.3%), followed in order by Blacks (44.6%), Hispanics (40.8%), and Whites (36.7%). There were no significant gender differences. By relationship status, highest intention to remain was shown by the married Marines, lowest by the single Marines who were not involved in an intimate relationship. With respect to marital status, the formerly married Marines had the lowest intention to remain, while those who were married scored the highest on staying.

## **Global QOL and Intention to Remain on Active Duty**

Analysis of variance revealed that those who intended to leave the Marine Corps as soon as possible also scored lowest on QOL, while those choosing to remain on active duty scored highest. Marines who were unsure of their intentions had lower QOL than those intending to remain, but scored higher on QOL than those intending to leave as soon as possible.

These results demonstrate a relationship between QOL and a desired organizational outcome (retention). They do not, of course, indicate a causal direction.

## **Domain QOL and Intention to Remain on Active Duty**

Three domain level variables were used to measure relationships between domain level QOL and intention to remain on active duty: the domain D-T summary score, the domain level satisfaction summary score, and the respondent's own estimation of the effects of various life aspects on their intentions to remain. Thus, the first two variables are derived from the data, while the third results from a direct question about (perceived) effects on intention.

**Domain QOL and Retention--Inferred Relationship.** The intention to remain categorical variable was recoded as a continuous variable, to facilitate measurement of relationships between domain QOL and intentions to remain on active duty. In this recoding, the response dealing with involuntary separation because of downsizing was dropped; intention to remain until retirement, and eligible to retire but staying in, were combined. Correlations were then computed between domain QOL levels and intention to remain.

With respect to affective evaluations (the D-T scale) for the various domains, 10 of the 12 showed a slight but statistically significant relationship with intention to remain on active duty. Thus, those Marines intending to stay were more likely to have higher scores on the Domain D-T scales. Feelings about residence had the strongest relationship ( $r = .24$ ), followed by neighborhood ( $r = .22$ ). Cognitive evaluations (satisfaction) for the various domains showed similar relationships with intention to remain in the Corps. Nine of 11 were significantly correlated with intention to remain on active duty, with the Marines having higher satisfaction scores being those most likely to stay. The strongest relationship was between staying and satisfaction with job ( $r = .28$ ), followed by satisfaction with residence ( $r = .25$ ).

**QOL, Career Intent, and Commitment in the Lower Paygrades.** As stated above, overall, perceptions of quality of life become more positive with increasing age and rank, and with stronger career intent. To compare mean levels of satisfaction by career intent within seniority groups, three career subgroups were identified using the career intent item in the survey: a "stay" group (from the first two alternative responses); an "unsure" group (from the third and fourth alternatives); and a "leave" group (from the fifth alternative). Those being released due to reduction in force were excluded.

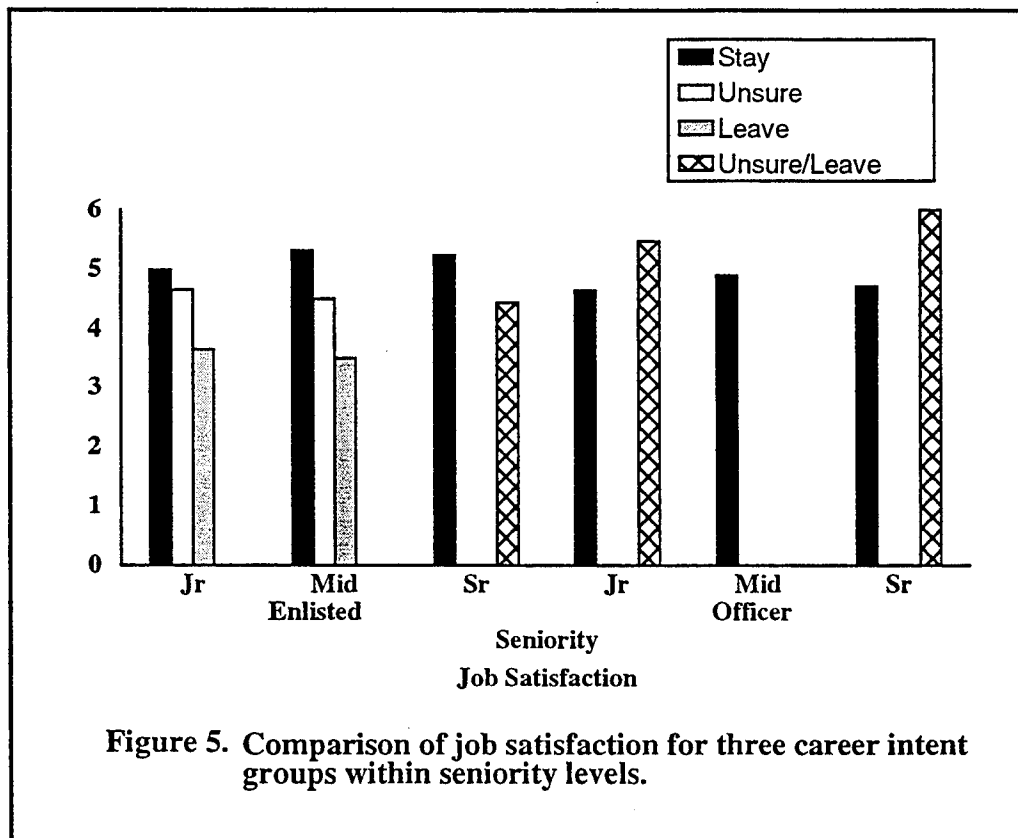
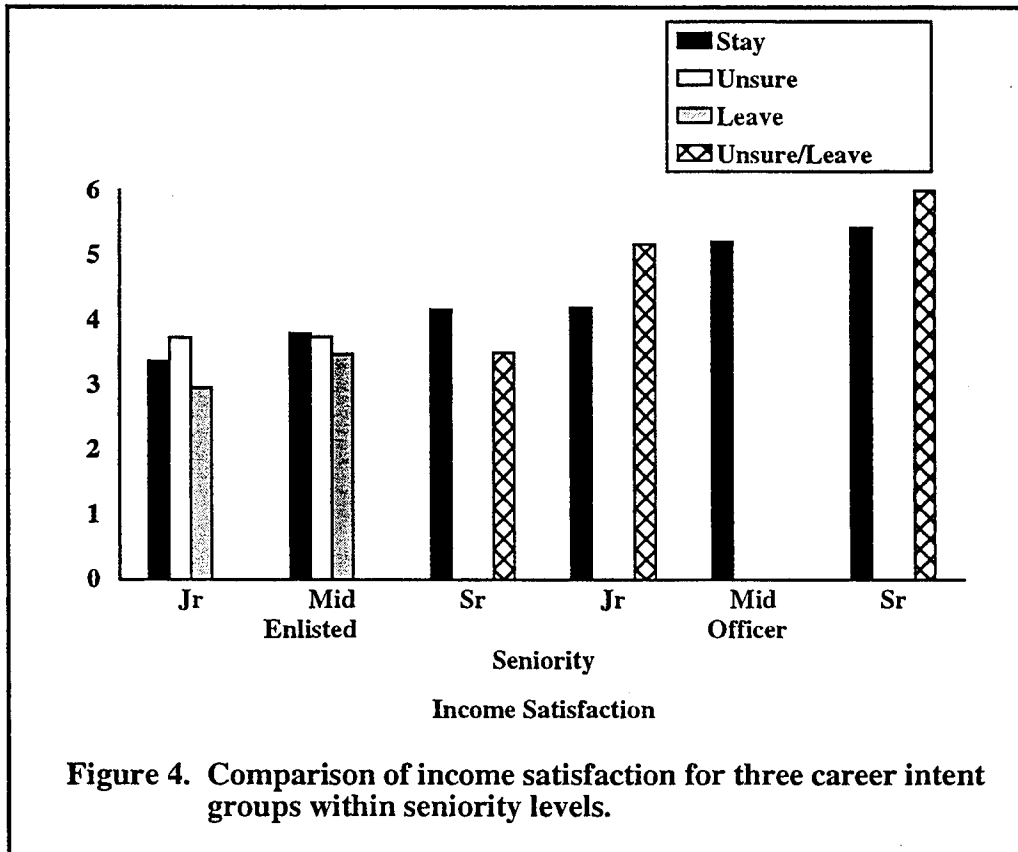
Enlisted and officer groups were analyzed separately, with three seniority groups in each--enlisted paygrades E-2 to E-3 (junior), E-4 to E-5 (middle), and E-6 to E-7 (senior); and officer paygrades O-1 to O-2 (junior), O-3 (middle), and O-4 to O-5 (senior). Other paygrades were excluded because of very small sample size.

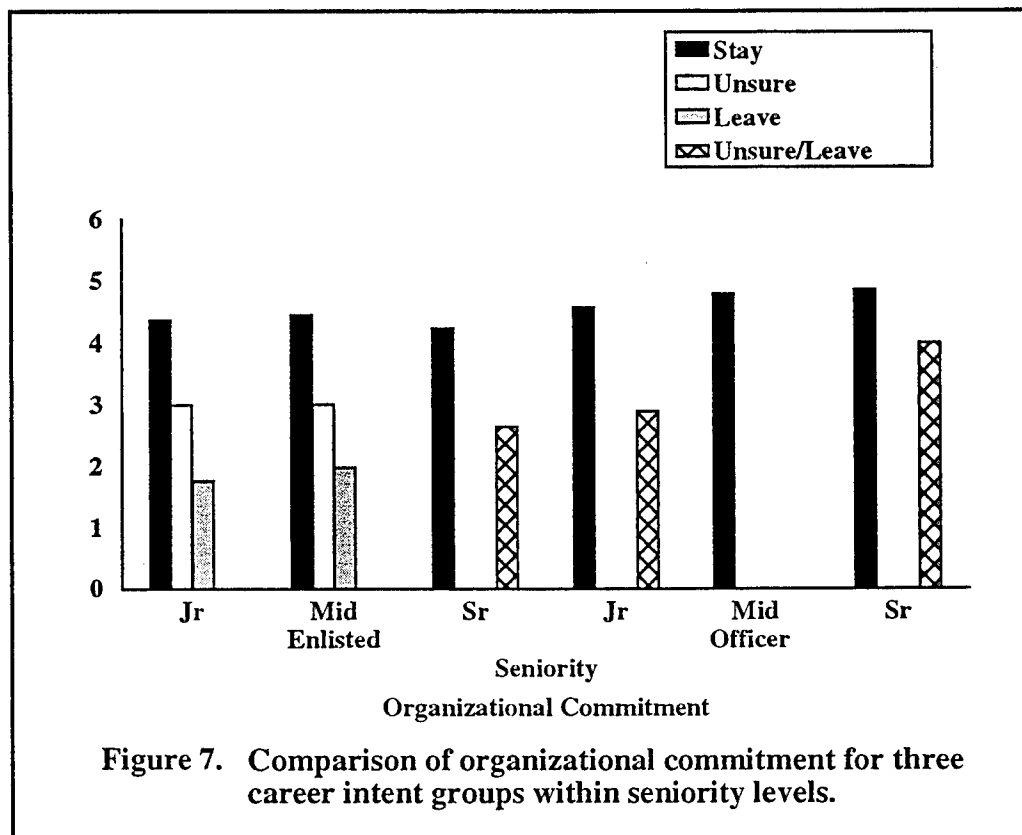
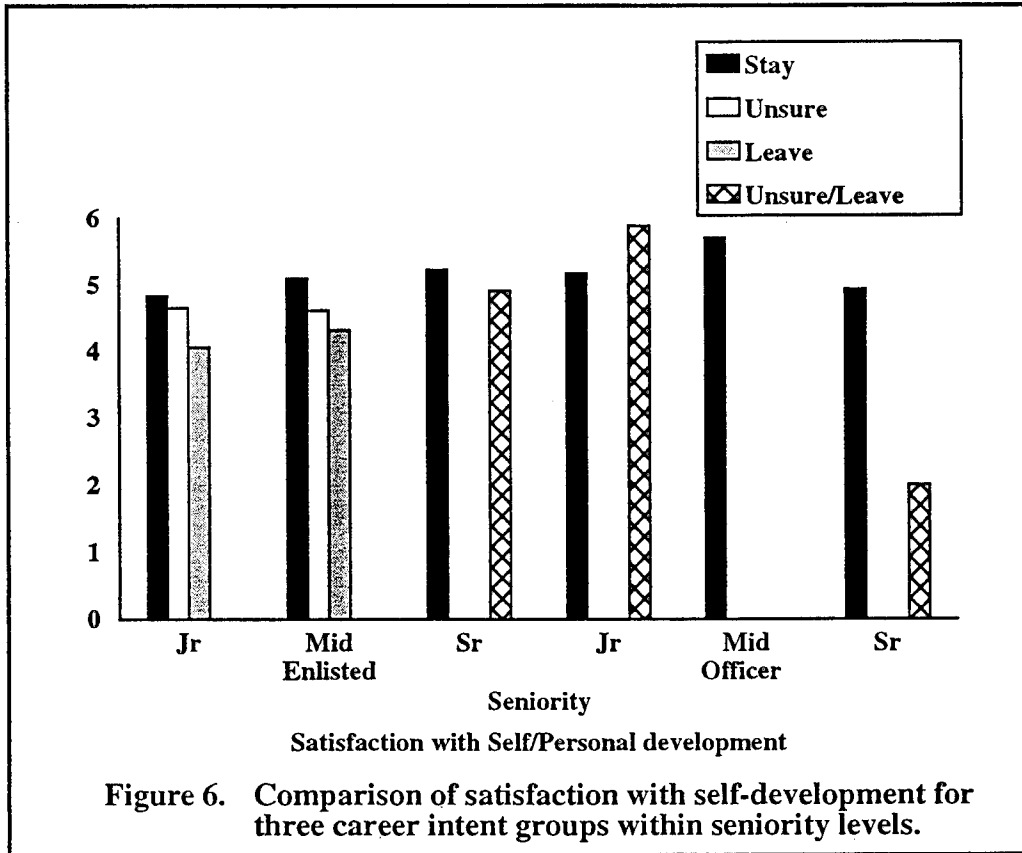
For enlisted junior, middle, and senior groups, the ages averaged 20.9, 24.5, and 39.9, respectively; for officers, the respective mean ages were 25.6, 34.1, and 40.9. However, because of small sample sizes, the career unsure and leave groups were combined for enlisted senior and all three officer seniority groups. Responses were compared on three domain satisfaction items (Income, Job, and Self Development), and on one (within Job domain) organizational commitment item ("the Marine Corps is the best place to work . . .").

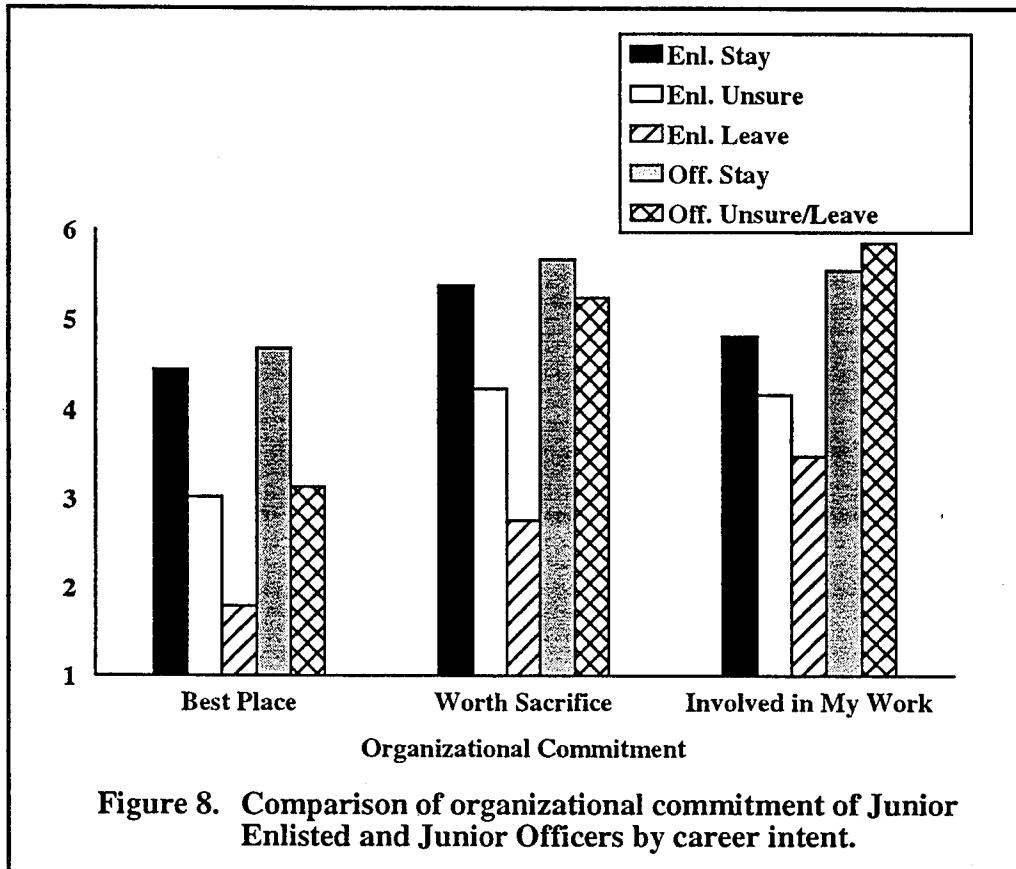
The results are shown in Figures 4, 5, 6, and 7. The enlisted stay groups show few or infrequent differences across seniority levels, but clear differences within seniority groups (stay is highest, leave is lowest). Thus, the junior stay group is almost always more positive than the middle and senior leave and unsure groups. Domain satisfaction levels for officers tend to vary across career and seniority groups. However, the commitment item shows large differences for all enlisted and officer stay groups--higher than all unsure and leave groups.

This result suggests that this commitment item may be as good as, or better than, the career intent item for estimating or predicting an individual's subsequent career decision. Furthermore, using the three career intent groups as a continuous variable (stay = 3, unsure = 2, leave = 1), correlation with "Marine Corps is the best place" is relatively high for enlisted (.52), moderate for officer (.37).

Because members of the junior paygrades must all make a career decision, similar comparisons were conducted on only junior enlisted (E-2, 3, 4) and officer (O-1, 2, 3) groups, using three commitment items ("the Marine Corps is the best place," "involved personally in my work," and "being a Marine is worth personal sacrifice"). Results are portrayed in Figure 8. Again, there are large differences among the enlisted stay, unsure, and leave groups, and smaller differences between the officer stay and combined unsure/leave groups.







### Domain QOL Effects on Retention--Perceived Relationship

An item in each of the domain sections of the survey asked a question: "To what extent does (domain title) affect your plans to remain on active duty?" The response scale for these items ranged from "not at all" (1) to "a great deal" (7), with a neutral center point of "somewhat" (4). Table 76 presents the means for the sample as a whole on each of the items. Also shown are the means for the "planning to leave" and "intending to remain" subgroups.

**Table 76****The Extent to Which Various Aspects of Life Affect Career Plans**

Domain	Perceived Effect of Domain on Reenlistment Decisions		
	Overall Mean	Leaving Group Mean	Staying Group Mean
Residence	3.22	3.68	2.61
Neighborhood	2.77	3.30	2.19
Leisure and recreation	3.36	4.04	2.47
Health	3.26	3.27	3.18
Friends and friendships	2.48	2.76	1.88
Marriage or intimate relationship	3.98	4.53	3.03
Children	3.96	4.64	3.45
Relatives	3.06	3.73	1.93
Income and standard of living	4.60	5.23	3.62
Job	4.40	4.83	3.86
Self	3.84	4.11	3.50

A comparison of the subgroup means reveals that the mean scores (for effect on intention) of the "planning to leave" subgroup are consistently higher than the other group's mean scores, across all domains, and the higher the mean score, the more effect that domain is having on intention to remain on active duty. The indications are that when respondents said that a domain had an effect on their intentions to remain on active duty, it was a negative effect which they were indicating. Friends and friendships had the least effect on career intentions, income the greatest effect.

**Individual Performance**

There are serious problems facing any attempt to relate performance to either personal or organizational variables. Such problems arise primarily because of the performance question, (i.e., just what is performance?), and from the extreme difficulties encountered in trying to measure performance. There is no completely satisfactory operational definition of performance, and this criterion problem is not nearing solution. To this already troublesome state of affairs must be added the issue of inflated ratings, a concern shared by military and civilian organizations; performance scores of job incumbents tend to be clustered near the top of the scales, making differentiation among individuals difficult. A third problem inserts itself into the present effort, that being the fact that there is neither a common metric nor a common performance data set between E-4 and below personnel and E-5s and above.

**QOL and Performance--Inferred Relationship**

In spite of great deficiencies with respect to performance measurement, it was decided to use the direct measures used by the Marine Corps itself. Thus, unsatisfactory as they are, a performance rating average across seven performance dimensions was drawn from the last two fitness reports for E-5s and above. For E-2 to E-4s, the performance variable was a composite used for promotion considerations (this was available for only those Marines in this rank group who were eligible for

promotion based on time in grade, and it was contaminated by non-performance elements). To avoid to some extent the problem with distribution of scores, only the top 20 percent and the bottom 20 percent of scores for each of the two rank groups were used in the calculations.

Using these scores for performance, there was no significant correlation with global QOL for either the E-4s and below or the E5s and above. Analyses of variance procedures, however, confirmed that some significant differences could indeed be attributed to performance category for the E-4s and below ( $= .05$ ). For the E-4s and below, the mean performance scores were 23.40 for the low performers, versus 24.78 for the high performers. A t-test for differences between two means found significance at the .05 level. For the E-5s and above, the differences between means was not significant.

### **QOL Effects on Performance--Perceived Relationship**

Except for the section on Marine Corps job, each section of the survey included a question asking respondents how much that particular area of life affected their job performance. For this analysis, the respondents were categorized as E-2 to E-4s or E-5 and above. Response options again were arrayed on a seven-point scale from "not at all" (1) to "a great deal" (7), with "somewhat" (4) being the neutral midpoint.

For the lower ranking individuals having dependents (less than half of the E-2 to E-4s), dependent health concerns were perceived to have the greatest effect on performance, followed by personal development. Showing the least effect on performance for members of this subgroup was neighborhood. In the E-5 and above subgroup, personal development showed the greatest effect on performance, with dependent health coming in at a close second. Relationships with relatives had least effects on performance.

It should be noted that, in no case, for either subgroup, did the average perceived effects on performance reach even the midpoint of the scale. Also, in all but one case, perceived effects on performance were rated higher by the lower ranking group than by the higher. The range of mean scores provide evidence that respondents can distinguish the varying intensities of domain QOL effects. Nonetheless, it can be conjectured, on the basis of these findings, that the Marines in the Camp Lejeune sample perceive their performance on the job to be little affected by quality of life conditions in the other areas of their lives.

### **Summary of QOL and Organizational Outcomes**

Quality of life was significantly related to personal readiness. Marines perceiving higher QOL tended also to have a higher readiness composite score. Neither race nor marital status was related to personal readiness. Women showed less personal readiness than men, and readiness increased with rank and age. On the whole, using the nine indices discussed above, readiness was only moderate.

Quality of life was found to be related to intention to stay in the Marine Corps. Most closely correlated with remaining on active duty were job and residence; this was true for both cognitive and affective evaluations. In addition, perceptions of the effects of domain QOL for those Marines intending to remain differed significantly from the perceptions of those Marines intending to leave.

A weak yet significant correlation was found between individual performance and global QOL for E-5s and above, with higher performers also perceiving better QOL overall. This is, of course, a relationship, not a causal connection.

**Section Six**

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**Discussion**

## Discussion

The Marine Corps Quality of Life Survey has delivered a wealth of information bearing on the quality of life of Camp Lejeune Marines, both in a global sense and with respect to a number of specific domains. The analyses reported herein reflect an attempt to "slice the data" in multiple ways so as to derive meaning from the responses which these Marines have provided through their participation in the survey. That the result is a rich lode of information is undeniable.

The image which emerges from the data is one of the women and men of an organization doing the work they are assigned, and endeavoring to do it well. Their quality of life may vary from that of others, and from the level they would like it to be at; however, in their perceptions, by and large, QOL does not affect their performance to any great extent--or, they do not allow it to. As in any organization, and as in life in general in our society, quality of life, at least in its material and psychological aspects, increases with one's status, income, and organizational tenure.

Young people do not perceive their quality of life as positively as do their more mature fellows, in part because of these material and psychological conditions, but also, one would suspect, simply because of youth itself and its demands for adjustment to adult life in general and in particular to the world of work. The presence among the Marines of Camp Lejeune of many very young and few very old cannot but induce age differences in perceived quality of life which favor the more mature person. Rank differences stem in part from the younger-older contrast, in part from privileges and benefits attendant upon seniority, and also from the officer-enlisted dichotomy.

As to the perceptions of young people, however, a striking finding of this study is that the QOL perceptions of career-intending Marines of all ages are frequently more positive than those of Marines unsure of their career plans or planning to leave. This finding was most noticeable with respect to a few organizational commitment items, particularly "The Marine Corps in the best place for me to work." Thus, the job-oriented perceptions of the committed Marines appear to predominate over (but certainly not exclude) their concerns with the "creature comfort" and "social" type domains of QOL.

Although quality of life is an important concern for Marines of all paygrades, there is good reason to be especially sensitive to the experiences and perceptions of the lower enlisted and officer personnel--the source of the future leaders of the Marine Corps. The Corps wants to attract to a career the most competent and committed from these sources. Virtually all individuals in the senior ranks have long ago committed themselves to a career, and thus, long ago decided that the various aspects of QOL were sufficiently acceptable to them and their families (even if not fully satisfactory) for a career in the Marine Corps.

To what extent will improvements in any aspect of QOL attract more of the junior officer and enlisted personnel to a Marine Corps career? For some--those who joined just for the challenge or adventure, or short-term service to their country (the intending "leavers")--perhaps no amount of QOL enhancement (except, perhaps, increased job challenge) would be enough to shift their intention toward a career. The other two junior groups, the stayers and the unsure, are probably the groups most critical to monitor (by periodic surveys) for shifts in perceptions, regarding actions to improve specific domains of QOL.

Marriage, children, and intimate relationships each introduce additional concerns to members of an organization, affecting quality of life by those concerns, sometimes markedly. On the other hand, such relationships also offer many positive contributions to quality of life. In all likelihood, racial and gender differences in perceived QOL primarily reflect individual comparisons between perceived opportunities within and outside of the Marine Corps. Age, rank, gender, race, and relationship or marital status notwithstanding, the great majority of survey respondents from Camp Lejeune are proud to serve, proud to be Marines.

On a total sample basis, quality of life is about average, i.e., mean QOL ratings cluster around the midpoints of the scales by which it is being measured. Many of the Marines in the Camp Lejeune sample are reasonably content, many are not. At the extremes, a few see life as "a bowl of cherries"; others perceive just the pits. However, most differences meld together, and things come out in the middle for the sample as a whole--for that is what averaging does, especially with large samples. In the end, the picture presented by the survey results is neither good nor bad; it is just a picture. There are aspects of QOL warranting accolades, and other aspects calling for command attention and ameliorative efforts.

In a sense, of course, the results of the survey hold few surprises. There is little revealed by the survey which is not known to the enlisted and officer leaders of the Marines stationed at Camp Lejeune. After all, "know your people and look out for their welfare" is more than a cliché to the Marines--it is an operative fact, and an ever-present requirement. Therefore, much, if not most, of the information contained in this report has little novelty.

No Marine leader needs a survey to tell him or her that life in a house located in a good neighborhood is in many ways preferable to life in the barracks, or that, if Marines must live in bachelor quarters, they desire those quarters to be attractive. Likewise, it is no secret that physical appearance is highly important to a Marine of whatever rank or job assignment. The Marine leader is fully cognizant that married Marines, and those with children, have added concerns that affect quality of life. The Marine leader is alert to performance discrepancies that frequently arise because of interpersonal relationships and family problems, and knows the value of recreational facilities and services provided to the Marines at Camp Lejeune.

Finally, the concordance of the findings with known conditions serves, in a non-scientific way, of course, to lend credibility to the survey results, and to highlight even more those areas where results depart from what might be expected.

However, the survey results do more than confirm what the leader knows. Most importantly, they provide quantification. "A lot of," "not too many," "only some of," "the average Marine," and other ill-defined terms commonly used in estimating situations and requirements have been replaced with numbers, with accurate numbers derived from scientifically defensible survey methods and data analyses. This enhances communications capability.

While the "not too many" of several leaders may differ widely, sample means and response percentages are fixed with numbers fully comprehensible to all. This does not relieve the leader of operationally defining success and failure--of deciding which percentages etcetera are satisfactory and which are unacceptable and therefore shall become the targets for amelioration. But it does add the quantification needed for accurate targeting.

What might profitably follow this effort are attempts to lend additional meaning to what has been quantified. It is suggested that the commander and staff select those results areas which are problematic with respect to organizational goals, those elements of the survey results which call for further exploration or simply pique the curiosity of those cognizant over functions and activities which bear directly on quality of life. These results areas, then, should become the focal points for deeper, site-specific research by the command, using such techniques, perhaps, as focus groups, follow-on mini-surveys, and interviews.

On the other hand, quality of life is as it is perceived. The results are clear: QOL perceptions are heavily influenced by feelings about self-esteem and satisfaction with personal development. The commander and staff can influence QOL in a positive way through efforts aimed at enhancing individual self-esteem and organizational pride in a job well done.

Perceptions about the job domain very strongly influence quality of life perceptions. This is very apparent in the survey results. The work of Marines has many aspects that can become the subject of information campaigns designed to inform Marines, particularly the younger ones, of the many benefits of service in the Marine Corps, whether or not a career is envisioned.

In sum, quality of life in the Marine Corps could benefit greatly by serious and sophisticated efforts to highlight the many benefits of service, as well as by efforts to make Marines feel good about themselves. In addition, simple, periodic instruction in how to take care of life's situations would improve personal readiness even as it made individual Marines feel more in charge of their own affairs. Perceptions can be altered, and Marines can be taught how to organize their life space in order to improve their own quality of life.

Another important survey result also has to do with numbers. This is in the realm of baseline statistics. Whether one is setting goals for a program, or furnishing data to the "bean counters" at higher echelon in order to justify funding requests, one must be able to answer the question: "Compared to what?" These survey results give the leaders of the Marines at Camp Lejeune the advantage of being able to answer that question.

Furthermore, baseline statistics assist in developing objectives, as well as in calculating progress in reaching them. To use an analogy, a line of march requires two points: current position, and goal position. These baseline statistics provide current position with respect to the QOL elements that were measured. When the goals are added to them, the line of march is clearly indicated. Then, in the future, subsequent to organizational events, QOL enhancement efforts, social changes, or whatever, QOL at that future time can be measured against these baseline statistics, providing quantified measures of progress, or, indicating where command attention might profitably be focused.

There is a long history of failure in trying to definitively tie performance to other variables such as job satisfaction, organizational commitment, and quality of life. The fact that the results of this survey show a connection between QOL and performance must be viewed as a landmark--and should impel further research in this area, in terms of causal connections and intervention implications.

Because performance is impossible absent the Marine, results documenting a connection between QOL and intention to remain on active duty are important data points for Marine Corps planning and policy making. And, because personal readiness is itself an important organizational variable--particularly for a combat organization--the relationship between the personal readiness of Camp Lejeune Marines and their QOL perceptions takes on great importance. Many Marines seem to "get 'em both right": they perceive good QOL and they see to their own readiness. No claim is made for a causal connection in either direction; however, the relationship is important in its own right, and may have to do with that underlying factor known as attitude, which is, of course, modifiable.

Those persons familiar with the discipline of organizational development will recognize that the collection of data and the reporting of those data in themselves constitute an organizational intervention. To the point, the Marine Corps, and its subordinate units, have been changed to whatever small degree just by virtue of having commissioned and conducted the Marine QOL survey.

For many Marines stationed at Camp Lejeune, the survey has no doubt raised the salience of both global QOL and QOL in the various life domains; these persons will be more alert to QOL, and may begin to more critically evaluate their QOL circumstances and options. For whatever number of survey participants, it has inescapably raised expectations that there will be QOL enhancement efforts "coming down the pike," and they will await evidence of such efforts. The leaders at Camp Lejeune should be alert to such effects and expectations, and capitalize on them.

It has previously been suggested that the Marine Corps Quality of Life Survey be repeated at regular intervals. That recommendation is sound. Such data collection is considered essential to tracking progress in QOL improvement. However, the leadership of Camp Lejeune is not limited to data from the triennial QOL surveys; it can make use of the survey at will. In addition, the survey is essentially modular; one or more relevant sections of it could be used for specific data collection efforts at local sites. This makes the survey an even more effective and available "weapon of opportunity" for the leaders of the Marines at Camp Lejeune.

Comprehensive quality of life assessment has brought into clearer focus the perceptions of the Marines themselves--as a whole and as demographic subgroups--about their quality of life. Thus, the data reported herein speak for these Marines. The individual responses of each Marine have been tallied and added to those of her or his fellows; together, their responses cumulate into a powerful information matrix for the commander and other cognizant officers. In addition to the "snapshot" of what conditions are for Camp Lejeune Marines in terms of QOL, the assessment indicates avenues of approach toward QOL enhancement.

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**Appendix A**

**Marine Corps Quality of Life 1993  
Member Questionnaire**

# **THE MARINE CORPS and QUALITY OF LIFE**

## **1993 Member Questionnaire**

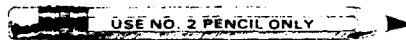


**Navy Personnel Research and Development Center  
San Diego, California 92152-7250**

This survey concerns how you feel about your life. The questions ask about various aspects of life and life as a whole. There are many aspects to our lives and the questionnaire attempts to cover the major ones for most people. This accounts for its length. We think you will find most of the questions interesting and easy because it's YOUR life. All people don't feel the same way about what happens to them in everyday life, so there are no right or wrong answers. We hope you will answer each question as carefully and frankly as possible. You were randomly selected by computer to take part in this survey. Your responses will help us obtain a representative picture of life as it is experienced by Marine Corps members.

## MARKING INSTRUCTIONS

- \* USE NO. 2 PENCIL ONLY
- \* Do not use ink, ballpoint, or felt tip pens.
- \* Erase cleanly and completely any changes you make.
- \* Make black marks that fill the circle.
- \* Do not make stray marks on the form.
- \* Write the numbers in the boxes at the top of the block.
- \* Fill in the corresponding circles below.



**CORRECT MARK:** ●

**INCORRECT MARK:** ⊗ ⊘ ⊙ ⊖

For questions that look like the following example, print the required information in the row of boxes provided. Put a 0 in the first column if your answer is nine or less. Then blacken the corresponding circle under the number you printed.

### EXAMPLE

1. How long have you been on active duty?

Years	
0	5
●	○
○	○
○	○
○	○
○	○
○	○
○	○
○	○
○	○
○	○
○	○
○	○
○	○
○	○

### EXAMPLE

2. What is your favorite color?

- Blue
- Red
- Green
- Purple

### PRIVACY ACT STATEMENT

Public Law 93-579, called the Privacy Act of 1974, requires that you be informed of the purposes and uses to be made of the information collected. The Navy Personnel Research and Development Center may collect the information requested in The Marine Corps and Quality of Life 1993 Survey under the authority of 5 United States Code 301.

The information collected with this questionnaire will be used to evaluate existing and proposed policies, procedures, and programs in the Marine Corps.

Providing information in this form is completely voluntary. The information you choose to provide will not become part of your permanent record and will not affect your career in any way. Failure to respond to any questions will not result in any penalties except possible lack of representation in survey results.

# BACKGROUND INFORMATION

1. What is your sex?

- Male
- Female

2. What was your age on your last birthday?

Years	
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

3. Are you of Spanish/Hispanic descent?

- Yes
- No

4. Are you:

- White
- Black/African American
- Asian/Pacific Islander
- Native American/Aleut/Eskimo
- Other

5. What is your highest level of education?

- Less than high school
- High school equivalency (GED)
- High school graduate
- Less than two years college
- Two or more years college, no degree
- Associate's degree
- Bachelor's degree
- Master's degree
- Doctoral or professional degree

6. What is your marital status?

- Married
- Never been married
- Separated/divorced
- Widowed

7. Do you have any dependents?

(SELECT AS MANY AS APPLY)

- No, I have no dependents
- Spouse (non-military)
- Dependent child(ren) living with me
- Dependent child(ren) not living with me
- Legal ward(s) living with me
- Dependent parent(s) or other relative(s)

8. Are there children under the age of 21 living in your household?

- Yes
- No

9. If Yes, how many children in each age group:

	Number in each age group				
Under 6 weeks	1	2	3	4	5
6 wks through 12 mos	1	2	3	4	5
13 through 24 mos	1	2	3	4	5
25 through 35 mos	1	2	3	4	5
3 yrs through 5 yrs	1	2	3	4	5
6 through 9 yrs	1	2	3	4	5
10 through 12 yrs	1	2	3	4	5
13 through 15 yrs	1	2	3	4	5
16 through 20 yrs	1	2	3	4	5
Over 20 yrs	1	2	3	4	5

10. What is your spouse's employment situation?

- I do not have a spouse
- My spouse is in the military
- My spouse is self-employed at home
- My spouse works in a civilian job part time
- My spouse works in a civilian job full time
- My spouse is unemployed by choice
- My spouse is unemployed, but actively seeking employment

11. What is your paygrade?

- |                           |                           |                                    |
|---------------------------|---------------------------|------------------------------------|
| <input type="radio"/> E-1 | <input type="radio"/> E-8 | <input type="radio"/> O-1          |
| <input type="radio"/> E-2 | <input type="radio"/> E-9 | <input type="radio"/> O-2          |
| <input type="radio"/> E-3 | <input type="radio"/> W-1 | <input type="radio"/> O-3          |
| <input type="radio"/> E-4 | <input type="radio"/> W-2 | <input type="radio"/> O-4          |
| <input type="radio"/> E-5 | <input type="radio"/> W-3 | <input type="radio"/> O-5          |
| <input type="radio"/> E-6 | <input type="radio"/> W-4 | <input type="radio"/> O-6          |
| <input type="radio"/> E-7 | <input type="radio"/> W-5 | <input type="radio"/> O-7 or above |

12. How long have you been in your present paygrade?

Months		
0	0	0
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9

13. How long have you been on active duty in the Marine Corps?

Years		Months	
0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

14. Which of the following statements BEST describes your career intentions at this time?

- I intend to remain on active duty in the Marine Corps until eligible for retirement
- I am eligible for retirement, but intend to stay in
- I intend to stay in, but not until retirement
- I'm not sure what I intend to do
- I intend to leave the Marine Corps as soon as I can
- I intended to remain on active duty, but I am being released due to reduction in force

15. What are your primary and duty MOS?

Primary				Duty			
0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9

16. How long have you been in your present assignment?

Months	
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

17. Are you accompanied by your dependents on your present assignment?

- Does not apply--no dependents
- Accompanied by some dependents
- Accompanied by all dependents
- Temporarily unaccompanied
- Permanently unaccompanied by choice
- Permanently unaccompanied because required by billet

18. If you are a "geographic bachelor by choice" is this because of:

- Does not apply
- Spouse's job
- Children's schools
- Cost of living at this location
- Moving costs for family
- Personal preference of self or spouse
- Some other reason

19. Where are you permanently stationed?

- Albany
- Barstow
- Beaufort
- Camp Butler
- Camp Elmore
- Camp Lejeune
- Camp Pendleton
- Cherry Point
- El Toro
- Iwakuni
- Kaneohe Bay/Camp Smith
- New River
- Panama
- Parris Island
- Quantico
- San Diego
- Twentynine Palms
- Tustin
- Washington DC-Headquarters Marine Corps
- Washington DC-Henderson Hall
- Washington DC-Pentagon
- Washington DC-8th & I
- Yuma
- Ship's Company/Aboard Ship
- MSG, CONUS
- MSG, OCONUS
- Other, CONUS
- Other, OCONUS

20. Are you presently deployed?

- Yes
- No

21. If Yes, are you deployed:

- Aboard ship
- At a U.S. Embassy
- At school

Now we are going to ask you a number of questions about your quality of life and how you feel about your life. Some questions will ask about your life overall and others concern specific aspects of your life, such as your job or the neighborhood where you live. Answer in terms of your **SITUATION AT THIS TIME** or your **EXPERIENCES AT YOUR CURRENT ASSIGNMENT**, unless the questions ask you to consider a different time period.

## LIFE AS A WHOLE

1. First, which point on the scale below best describes how you feel about your life as a whole at this time?

- Terrible
- Unhappy
- Mostly unhappy
- Neither unhappy nor pleased
- Mostly pleased
- Pleased
- Delighted

2. Below are some words that can apply to how you feel about your life as a whole. For example, if you think your present life is very boring, blacken the circle closest to "boring"; if you think your life is very interesting, blacken the circle closest to "interesting." If your life falls somewhere in between, blacken one of the circles in between to indicate how boring or interesting you think your life is. Darken one circle on every line.

Boring	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Interesting
Enjoyable	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Miserable
Useless	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Worthwhile
Friendly	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Lonely
Full	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Empty
Discouraging	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Hopeful
Disappointing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Rewarding

3. Which of the following best describes how you think of your life at this time?

- An ideal kind of life for me
- What I most want my life to be
- The best kind of life I am able to have now
- A good enough life for now
- A tolerable life for now
- An unsatisfactory kind of life
- A miserable life

**We will return to questions about your life as a whole later in this questionnaire, after considering the various aspects of your life.**

## YOUR RESIDENCE

Please answer the following questions about the place where you are now living at your permanent duty station.

1. Overall, how do you feel about your residence where you now live?

- Terrible
- Unhappy
- Mostly unhappy
- Neither unhappy nor pleased
- Mostly pleased
- Pleased
- Delighted

2. Which of the following best describes the place where you now live?

- Bachelor Quarters (BEQ or BOQ)
- Military family housing, on base
- Military family housing in the civilian community
- Personally-owned housing in the civilian community
- Personally-rented housing in the civilian community
- Shared rental housing in the civilian community
- Mobile home
- Aboard ship
- Other

3. If you are currently living aboard ship, how do you feel about your quarters?

- Does not apply--not aboard ship
- Terrible
- Unhappy
- Mostly unhappy
- Neither unhappy nor pleased
- Mostly pleased
- Pleased
- Delighted

4. If you live in civilian housing, how much is your monthly rent or mortgage payment?

*(If you share housing, list the amount that YOU pay.)*

- Does not apply--not in civilian housing

Dollars			
0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

5. How many rooms are in your residence, not counting bathrooms and hallways? *(Count attic or basement only if it is finished and furnished.)*

- Does not apply--in BEQ/BOQ or ship

Rooms:      ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ or more

6. How many adults, and how many children under age 18 live in your house or apartment?

- Does not apply--in BEQ/BOQ or ship

Adults:      ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ or more

Children:    ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ or more

	Completely dissatisfied	Somewhat dissatisfied	Neutral	Somewhat satisfied	Satisfied	Completely satisfied
a.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
i.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
j.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

7. Please darken the circle that indicates best how satisfied or dissatisfied you are with various aspects of your house, apartment, or barracks.

- a. How satisfied are you with the ATTRACTIVENESS of your housing? .....
- b. How satisfied are you with the CONVENIENCE OF THE LAYOUT of your housing? .....
- c. How satisfied are you with the CONVENIENCE OF THE AMENITIES in your housing (e.g., appliances)? .....
- d. How satisfied are you with the PRIVACY of your housing? .....
- e. How satisfied are you with the AMOUNT OF SPACE in your housing? .....
- f. How satisfied are you with the LOCATION of your housing? .....
- g. How satisfied are you with the COMFORT of your housing? (E.g., is it too hot, too cold, too noisy?) .....
- h. How satisfied are you with the CONDITION of your housing? Is it well maintained? .....
- i. How satisfied are you with the COST of your housing? .....
- j. Considering all aspects of your housing, how satisfied or dissatisfied are you with your residence OVERALL? .....

	Considerably worse	A little worse	About the same	A little better	Considerably better	A lot better
8.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

- 8. Suppose you were not in the Marine Corps. How do you think the residence you live in now would compare to the one you might have in civilian life? .....
- 9. How would you say your present residence compares to places you lived while you were growing up? Would you say it is better or worse? .....
- 10. How would you say your present residence compares to the housing of most other Marines of your paygrade? .....

11. How often has your residence been on your mind lately?

- Almost all the time
- A great deal
- Quite a bit
- Once in a while
- Seldom
- Hardly ever
- Not at all

	Not at all	Very little	A little	Somewhat	A lot	Quite a lot	A great deal
12.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
13.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

- 12. To what extent does your housing at your present duty station affect your job performance? .....
- 13. To what extent does your current housing affect your plans to remain on active duty? .....



Considerably worse	A lot worse	A little worse	About the same	A little better	Considerably better	A lot better
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

5. Suppose you were not in the Marine Corps. How does this neighborhood compare to the neighborhood where you think you would live as a civilian? .....
6. Compared to the neighborhood(s) where you lived when you were growing up, is this neighborhood better or worse? .....
7. Finally, how does this neighborhood compare to the neighborhoods where most other Marines of your paygrade live? .....

8. How often has your neighborhood been on your mind lately?
  - Almost all the time
  - A great deal
  - Quite a bit
  - Once in a while
  - Seldom
  - Hardly ever
  - Not at all

Not at all	Very little	A little	Somewhat	A lot	Quite a lot	A great deal
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

9. To what extent does the neighborhood where you live affect your job performance? ...
10. To what extent does the neighborhood where you live affect your plans to remain on active duty? .....

## LEISURE AND RECREATION

Questions in this section have to do with the way you spend your leisure time and the recreational opportunities available to you.

1. Please show how you feel about the things you do now in your leisure time.
  - Terrible
  - Unhappy
  - Mostly unhappy
  - Neither unhappy nor pleased
  - Mostly pleased
  - Pleased
  - Delighted

2. Do you generally prefer leisure activities:
  - That you do by yourself
  - That you share with others

Completely dissatisfied	Somewhat dissatisfied	Dissatisfied	Somewhat satisfied	Neutral	Satisfied	Completely satisfied
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

3. Answer the next questions using this scale to indicate how satisfied or dissatisfied you are with the way you spend your leisure time.
  - a. How satisfied are you with the VARIETY of leisure activities available in this location? ..
  - b. How satisfied are you with the COST of leisure activities in this location? .....
  - c. How satisfied are you with the FACILITIES PROVIDED for leisure activities you enjoy? ..
  - d. How satisfied are you with the AMOUNT OF LEISURE TIME you have? .....
  - e. Considering all aspects of leisure activities, how satisfied or dissatisfied are you with your leisure time OVERALL? .....



7. How often have leisure and leisure activities been on your mind lately?

- Almost all the time
- A great deal
- Quite a bit
- Once in a while
- Seldom
- Hardly ever
- Not at all

Not at all	Very little	A little	Somewhat	A lot	Quite a lot	A great deal
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

8. To what extent do leisure activities affect your job performance? .....

9. To what extent do leisure activities affect your plans to remain on active duty? .....

## HEALTH

The items in the following section are all related to your health and to health benefits.

1. Please indicate how you feel about the state of your health.

- Terrible
- Unhappy
- Mostly unhappy
- Neither unhappy nor pleased
- Mostly pleased
- Pleased
- Delighted

2. What was your most recent PFT score?

- First class
- Second class
- Third class
- Failed
- Not required to take

3. How long would it take you to get to a military medical facility from your residence?

- About 5 minutes
- 6 to 20 minutes
- 21 to 40 minutes
- 41 minutes to an hour
- More than 1 hour

4. How many duty days did you miss because of illness or injury in the past year?

Days		
<input type="text"/>	<input type="text"/>	<input type="text"/>
0	0	0
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9

5. Are you a smoker?

- Yes
- No

6. Please use this scale to indicate how satisfied or dissatisfied you are with various aspects of your state of health.

- a. How satisfied are you with your current WEIGHT? .....
- b. How satisfied are you with your LEVEL OF ENERGY? .....
- c. How satisfied are you with HOW WELL YOU SLEEP? .....
- d. How satisfied are you with your ENDURANCE? .....
- e. How satisfied are you with YOUR HEALTH OVERALL? .....
- f. How satisfied are you with the MEDICAL CARE you receive? .....
- g. How satisfied are you with the DENTAL CARE you receive? .....

Completely dissatisfied	Dissatisfied	Somewhat dissatisfied	Neutral	Somewhat satisfied	Satisfied	Completely satisfied
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

7. If you were not in the Marine Corps, do you think your state of health would be better or worse?

- A lot worse
- Considerably worse
- A little worse
- About the same
- A little better
- Considerably better
- A lot better

8. Compared to most Marines, would you say you are healthier or not as healthy?

- Not nearly as healthy
- Considerably less healthy
- A little less healthy
- About the same
- A little healthier
- Considerably healthier
- A lot healthier

9. How often has your health been on your mind lately?

- Almost all the time
- A great deal
- Quite a bit
- Once in a while
- Seldom
- Hardly ever
- Not at all

Not at all	Very little	A little	Somewhat	A lot	Quite a lot	A great deal
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

10. To what extent does your state of health affect your job performance? .....

11. To what extent does your state of health affect your plans to remain on active duty? ..

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**Answer the next questions ONLY if you have dependents. If you do not have dependents, go to the next section headed "Friends and Friendships."**

12. Which type of medical insurance/medical care do your dependents use most often?

- Military medical facilities
- CHAMPUS
- CHAMPUS Prime
- Group HMO
- Group fee-for-service policy
- Private HMO
- Private fee-for-service policy
- Other

13. Do you have CHAMPUS supplemental insurance coverage?

- Yes
- No

14. Which, if any, of your dependents has special medical needs (e.g., disabilities and/or medical conditions requiring specialized care)?

- None of my dependents has special medical needs
- My spouse
- Dependent child(ren) living with me
- Dependent child(ren) not living with me
- Legal ward(s) living with me
- Dependent parent(s) or other relative(s)

Completely dissatisfied	Somewhat dissatisfied	Disatisfied	Neutral	Somewhat satisfied	Satisfied	Completely satisfied
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

15. How satisfied are you with the MEDICAL CARE received by your dependents? .....

16. How satisfied are you with the DENTAL CARE received by your dependents? .....

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

17. To what extent does your dependents' state of health affect your job performance? ...

18. To what extent does your dependents' state of health affect your plans to remain on active duty? .....

Not at all	Very little	A little	Somewhat	A lot	Quite a lot	A great deal
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

# FRIENDS AND FRIENDSHIPS

The questions in this section concern your friendships and how those friendships affect your quality of life. Think about the friends you have and your relationships with them.

1. In general, how are you feeling about your friendships these days?

- Terrible
- Unhappy
- Mostly unhappy
- Neither unhappy nor pleased
- Mostly pleased
- Pleased
- Delighted

2. Are your close friends MOSTLY:

- Fellow Marines at this location
- Marines who are stationed at other locations
- Civilians in this area
- Civilians "back home"
- Members of other military services
- Other

3. Do you have friends at this location with whom you feel free to discuss personal matters?

- Yes
- No

4. If Yes, which statement BEST describes those friends?

- Not applicable -- none here
- Marines I see only at work
- Marines I socialize with once in a while
- Marines I socialize with regularly
- Members of other military services
- Civilians
- Other

5. Where do you spend the MOST time with your local friends?

- Your residence or theirs
- Clubs, on base
- Sports facilities
- Recreational facilities off the base
- Restaurants/dining out
- Other

6. Please use this scale to show how satisfied or dissatisfied you are with your friendships at this time.

- a. How satisfied are you with the AMOUNT OF TIME YOU SOCIALIZE with your friends?
- b. How satisfied are you with the NUMBER OF MARINE CORPS FRIENDS you have? ....
- c. How satisfied are you with the NUMBER OF CIVILIAN FRIENDS you have? .....
- d. How satisfied are you with the SUPPORT AND ENCOURAGEMENT you receive from your friends? .....
- e. How satisfied are you OVERALL with your friendships at this time? .....

Completely dissatisfied	Somewhat dissatisfied	Neutral	Somewhat satisfied	Completely satisfied
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

7. Compared to civilian life, do you think it has been harder or easier for you to make friends?

- A lot harder
- Considerably harder
- A little harder
- About the same
- A little easier
- Considerably easier
- A lot easier

8. Do you think you have fewer, more, or about the same number of good friends as most Marines?

- A lot fewer
- Considerably fewer
- Somewhat fewer
- About the same
- A little more
- Considerably more
- A lot more

9. How often have your friends and friendships been on your mind lately?

- Almost all the time
- A great deal
- Quite a bit
- Once in a while
- Seldom
- Hardly ever
- Not at all

Not at all	Very little	A little	Somewhat	A lot	Quite a lot	A great deal
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

10. To what extent do your friendships affect your job performance? .....

11. To what extent do your friendships affect your plans to remain on active duty? .....

## MARRIAGE/INTIMATE RELATIONSHIP

1. How are you feeling these days about this aspect of your life?

- Terrible
- Unhappy
- Mostly unhappy
- Neither unhappy nor pleased
- Mostly pleased
- Pleased
- Delighted

2. At this time, are you:

- Married
- Involved in a serious intimate relationship, but not married
- Not seriously involved with anyone

3. If you are not married and not seriously involved with anyone at this time, how do you feel about it?

- Does not apply
- Terrible
- Unhappy
- Mostly unhappy
- Neither unhappy nor pleased
- Mostly pleased
- Pleased
- Delighted

***If you are not married and not seriously involved with anyone, please skip to question 14 on page 16.***

4. What language is your spouse/partner most comfortable with?

- English
- Spanish
- Tagalog
- Japanese
- Korean
- Arabic
- Vietnamese
- Other

**Answer questions 5 - 7 ONLY if you are married**

5. How long have you been married?
- Less than 6 months
  - 6 to 12 months
  - 13 to 23 months
  - 2 or 3 years
  - 4 or 5 years
  - 6 to 10 years
  - 11 to 20 years
  - More than 20 years
6. Have either you or your spouse been married before?
- I have been married before but my spouse has not
  - My spouse has been married before but I have not
  - Both my spouse and I have been married before
  - Neither my spouse nor I have been married before
7. If you are not accompanied at this station, how frequently do you see your spouse?
- Not applicable
  - Several times a week
  - Once a week
  - Once a month
  - 9 to 11 times a year
  - 7 or 8 times a year
  - 5 or 6 times a year
  - 3 or 4 times a year
  - 1 or 2 times a year

**Answer questions 8 - 11 ONLY if you ARE involved in a serious intimate relationship, but NOT married.**

8. How long have you been involved in this relationship?
- Less than a month
  - 1 to 3 months
  - 4 to 6 months
  - 7 to 12 months
  - 13 to 23 months
  - 2 to 5 years
  - More than 5 years
9. Is your intimate partner:
- Also a Marine
  - A member of another military service
  - A civilian
10. Does your intimate partner live:
- "Back home"
  - At or near your station
  - Other
11. If your intimate partner does not live in the area, how frequently are you able to see each other?
- Not applicable
  - Every day
  - Several times a week
  - Once a week
  - Once a month
  - 9 to 11 times a year
  - 7 or 8 times a year
  - 5 or 6 times a year
  - 3 or 4 times a year
  - 1 or 2 times a year

12. If you are married or have an intimate relationship, please use this scale to show how satisfied or dissatisfied you are with various aspects of this relationship.

- a. How satisfied are you with the LOVE AND UNDERSTANDING you receive in the relationship? .....
- b. How satisfied are you with the COMMUNICATION within the relationship? .....
- c. How satisfied are you with the way CONFLICTS ARE RESOLVED with your partner? ..
- d. How satisfied are you with your partner's SUPPORT FOR YOUR MILITARY CAREER? ..
- e. How satisfied are you with the COMPATABILITY OF INTERESTS between you and your partner? .....
- f. How satisfied are you with the SEXUAL ASPECT of your relationship? .....
- g. How satisfied are you with your intimate relationship OVERALL? .....

	Completely dissatisfied	Dissatisfied	Somewhat dissatisfied	Neutral	Somewhat satisfied	Satisfied	Completely satisfied
a.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

13. If your military duties took you away for 6 months or more, how capable do you think your spouse or partner would be to take full responsibility for the following?

- a. Child care .....
- b. Family members' health .....
- c. Family finances .....
- d. Managing the maintenance of your residence .....
- e. Emotional or parenting matters .....
- f. Safety of family members .....
- g. Transportation .....
- h. Investments .....

Extremely capable	Very capable	Capable	Not so capable	Not at all capable
N/A				
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

14. How satisfying do you think this aspect of your life would be if you were not in the Marine Corps? Do you think it would be better, worse, or just about the same? .....

15. How would you compare this aspect of your life with that of most Marines? .....

Considerably worse	A lot worse	A little worse	About the same	A little better	Considerably better	A lot better
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

16. How often has this aspect of your life been on your mind lately?

- Almost all the time
- A great deal
- Quite a bit
- Once in a while
- Seldom
- Hardly ever
- Not at all

Not at all	Very little	A little	Somewhat	A lot	Quite a lot	A great deal
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

17. To what extent does this aspect of your life affect your job performance? .....

18. To what extent does this aspect of your life affect your plans to remain on active duty? .....

## RELATIONS WITH YOUR CHILDREN

The next group of questions have to do with your relations with your children. If you do not have children under age 18, skip to the following section on Relations with Other Relatives (page 19.)

1. If you have children from a previous marriage, which of the following best describes the legal custody status of those child(ren)?

- Does not apply
- Full custody of your child(ren)
- Full custody of some of your children
- Shared custody
- No custody



If you do not have children who require child care, skip to question 11 below.

Completely dissatisfied	Somewhat dissatisfied	Neutral	Somewhat satisfied	Completely satisfied
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

8. How satisfied are you with the **QUALIFICATIONS** of the person(s) who cares for your child(ren) while you are on duty? .....
9. How satisfied are you with the **COST** of child care? .....
10. How satisfied are you with the **SAFETY** of your child(ren) while they are with their child care provider? .....

11. If you were not in the Marine Corps, do you think you would be able to spend more time or less time with your child(ren)?

- Much less time
- Considerably less time
- A little less time
- About the same
- A little more time
- Considerably more time
- Much more time

Considerably worse	A little worse	About the same	A little better	Considerably better	A lot better
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

12. If you were not in the Marine Corps, do you think your relationship with your child(ren) would be better or worse? .....
13. How do you think your relationship with your child(ren) compares with that of most Marine Corps families? .....

14. How often have thoughts and concerns about your child(ren) been on your mind lately?

- Almost all the time
- A great deal
- Quite a bit
- Once in a while
- Seldom
- Hardly ever
- Not at all

Not at all	Very little	A little	Somewhat	A lot	Quite a lot	A great deal
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

15. To what extent does your relationship with your child(ren) affect your job performance? .....
16. To what extent does your relationship with your child(ren) affect your plans to remain on active duty? .....

17. If you had to be separated from your child(ren) for 6 months or more because of your military duties, who would care for them?

- No child(ren) under 18
- Spouse
- Immediate family member (for example, grandparents)
- Other family member
- Friend or neighbor
- Public agency
- Other

18. How sure are you that the person named in question 17 would adequately take care of your child(ren) in your absence?

- Completely sure
- Very sure
- Somewhat sure
- Somewhat unsure
- Very unsure
- Completely unsure

## RELATIONS WITH OTHER RELATIVES

Questions in this section ask about your relations with other relatives, such as your parents, grandparents, brothers and sisters, and/or your in-laws if you are married.

1. How do you feel about your relations with your relatives at this time?

- Terrible
- Unhappy
- Mostly unhappy
- Neither unhappy nor pleased
- Mostly pleased
- Pleased
- Delighted

2. How far are your nearest relatives from your present duty station?

- N/A--no relatives
- Local area
- Within 100 miles
- Between 101 and 200 miles
- Between 201 and 500 miles
- Between 501 and 1,000 miles
- More than 1,000 miles

3. Is the amount of time you spend with the relatives listed below less than you would like, more than you would like, or about the right amount of time? (IF YOU DO NOT HAVE RELATIVES IN ONE OF THESE CATEGORIES, PLEASE BLACKEN THE N/A CIRCLE.)

- a. Parent(s) .....
- b. Grandparent(s) .....
- c. Brothers and sisters .....
- d. In-laws .....
- e. Other close relatives .....

N/A	Less than liked	About right	More than liked
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

4. While you were growing up, did you live with a parent who was a career military member?

- No
- Yes, parent was in the Marine Corps
- Yes, parent was in another service branch

5. Show how satisfied or dissatisfied you are with various aspects of your relationships with your relatives.

- a. How satisfied are you with the AMOUNT OF CONTACT you have with your relatives? ..
- b. How satisfied are you with the way your relatives GET ALONG WITH EACH OTHER? ..
- c. How satisfied are you with their SUPPORT FOR YOUR MILITARY CAREER? .....
- d. How satisfied are you with your relatives' RESPECT FOR YOUR INDEPENDENCE? ....
- e. How satisfied are you with relations with your relatives OVERALL? .....

Completely dissatisfied	Somewhat dissatisfied	Dissatisfied	Neutral	Somewhat satisfied	Satisfied	Completely satisfied
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

6. If you were not in the Marine Corps, do you think your relations with your relatives would be better or worse?

- A lot worse
- Considerably worse
- A little worse
- About the same
- A little better
- Considerably better
- A lot better

7. How often have relations with your relatives been on your mind lately?

- Almost all the time
- A great deal
- Quite a bit
- Once in a while
- Seldom
- Hardly ever
- Not at all

Not at all	Very little	A little	Somewhat	A lot	Quite a lot	A great deal
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

8. To what extent do relations with your relatives affect your job performance? .....

9. To what extent do relations with your relatives affect your plans to remain on active duty? .....

## INCOME & STANDARD OF LIVING

1. Overall, how do you feel about your current standard of living?

- Terrible
- Unhappy
- Mostly unhappy
- Neither unhappy nor pleased
- Mostly pleased
- Pleased
- Delighted

2. Have any of the following things occurred since you have been at your present location?

(MARK ALL THAT APPLY)

- Indebtedness letter to your command
- Repossession of something purchased on time
- Bankruptcy
- Crisis loan from military relief organization
- Trouble over child support payments
- None of the above

3. Which of the following best describes your own or your family's financial situation at this time?

- I/we can afford most of the things I/we want
- I/we can easily afford the things I/we need, plus some extras
- I/we can easily afford the things I/we need, but not extras
- I/we can barely afford the things I/we need
- I/we often cannot afford things that I/we need

4. Do you have a second job?

- No, and I have not looked for one
- No, but I'm trying to find one
- Yes, working less than 10 hours per week
- Yes, working between 10 and 20 hours per week
- Yes, working between 21 and 30 hours per week
- Yes, working more than 30 hours per week

5. If you answered Yes, what's the main reason you have a second job?

- N/A--no second job
- I/we need the money
- To get experience
- I enjoy the work
- Other

6. How much of your family's total income comes from your spouse?

- N/A--no spouse
- None
- Less than 20%
- 20% to 40%
- 41% to 60%
- 61% to 80%
- More than 80%

A great deal	Quite a bit	Some	A little	Not at all
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

7. To what extent does the base exchange help you save money and make ends meet? ..

8. To what extent does the commissary help you save money and make ends meet? .....

9. Where does your family shop for food?
- Exclusively at the commissary
  - Mostly at the commissary
  - About 50-50 at the commissary and civilian stores
  - Mostly at civilian stores
  - Exclusively at civilian stores

10. Where does your family shop for clothing, personal items, and household items?
- Exclusively at the exchange
  - Mostly at the exchange
  - About 50-50 at the exchange and civilian stores
  - Mostly at civilian stores
  - Exclusively at civilian stores

11. Please use this scale to indicate how satisfied or dissatisfied you are with various aspects of your current financial situation.

- a. How satisfied are you with the money you have available for ESSENTIALS? .....
- b. How satisfied are you with the money you have available for EXTRAS? .....
- c. How satisfied are you with the money you have available for SAVINGS? .....
- d. If you own a car, how satisfied are you with the CAR you drive? .....
- e. If you have a house or apartment, how satisfied are you with your HOUSEHOLD FURNISHINGS? .....
- f. If you have children, how satisfied are you with WHAT YOU CAN PROVIDE FOR YOUR CHILDREN? .....
- g. How satisfied or dissatisfied are you with your current financial situation OVERALL? ....

Completely dissatisfied	Dissatisfied	Somewhat dissatisfied	Neutral	Somewhat satisfied	Satisfied	Completely satisfied
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

- 12. Do you feel that you are financially worse off or better off in the Marine Corps than you would be in civilian life? .....
- 13. Compared to most Marine Corps members of the same paygrade, do you think you are doing worse financially, or better? .....

Considerably worse A lot worse	A little worse	About the same	A little better	Considerably better	A lot better
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

14. How often has your financial situation been on your mind lately?
- Almost all the time
  - A great deal
  - Quite a bit
  - Once in a while
  - Seldom
  - Hardly ever
  - Not at all

- 15. To what extent does your financial situation affect your job performance? .....
- 16. To what extent does your financial situation affect your plans to remain on active duty? .....

Not at all	Very little	A little	Somewhat	A lot	Quite a lot	A great deal
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

# YOUR JOB

1. Overall, how are you feeling these days about your job?

- Terrible
- Unhappy
- Mostly unhappy
- Neither unhappy nor pleased
- Mostly pleased
- Pleased
- Delighted

2. How many hours do you usually work each week?

Hours		
0	0	0
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9

3. How many days do you usually work each week?

Days:  1  2  3  4  5  6  7

4. How well do you think your USMC training prepared you for your present job?

- Not at all
- Barely
- Somewhat
- Pretty well
- Completely

5. In your opinion, how well are most other members of your work group trained to do their jobs?

- Not at all
- Barely
- Somewhat
- Pretty well
- Completely

6. During the past year, did you entirely miss, arrive late, or have to leave early from a no-notice alert, maneuver, or exercise?

- Does not apply (no such events)
- No, I was there when directed
- Yes, I was late
- Yes, I left early
- Yes, I missed it entirely

7. If you answered Yes on question 6, what was the main reason?

- Not applicable
- I was sick
- Someone in my family was sick
- Personal or family business
- Legal matters
- I couldn't be reached
- Other

8. In the past month, how much time did you take off from duty for each of the following PERSONAL reasons? (INCLUDE TIME WHEN YOU ARRIVED LATE OR LEFT EARLY, BUT NOT SCHEDULED LEAVE TIME.)

- a. Your education (if not part of your military duties) .....
- b. Your transportation (for example, car wouldn't start) .....
- c. Pregnancy (for example, prenatal care or doctor visit) .....
- d. Your health (sick, or doctor/dentist appointment) .....
- e. Personal business (for example, financial matters) .....
- f. Other personal reasons .....

Less than 1 hour	1-2 hours	3-4 hours	5-7 hours	1 day	2-5 days	More than 5 days
None						

9. In the past month, how much time did you take off from duty for each of the following FAMILY reasons? (INCLUDE TIME WHEN YOU ARRIVED LATE OR LEFT EARLY, BUT NOT SCHEDULED LEAVE TIME.)

	Less than 1 hour	1-2 hours	3-4 hours	5-7 hours	1 day	2-5 days	More than 5 days
a. Caring for children (e.g., a sick child, school visits, no sitter, discipline) .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. Helping spouse (e.g., illness or emotional problems) .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. Family business (e.g., financial or housing matters) .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. Family transportation .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. Other family matters .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

10. If you had to deploy at short notice, have you made provisions for the following?

(MARK THE N/A CIRCLE FOR THOSE THAT DO NOT APPLY TO YOU.)

	N/A	No	Yes
a. A will .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. A joint checking account .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. A power of attorney .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. Storage of possessions .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. Payment of bills .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f. Elder care .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g. Care for pets .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h. Lease obligations .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
i. Management of investments .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
j. Modifying official records if necessary .....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

11. Show how much you agree or disagree with each of the following statements.

	Strongly disagree	Disagree	Neither disagree nor agree	Somewhat agree	Strongly agree
a. I talk up the Marine Corps to my friends as a great outfit to be associated with.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. I find that my values and the Marine Corps' values are very similar.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. There is not much to be gained by my sticking with the Marine Corps indefinitely.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. The Marine Corps is the best of all places for me to work.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. The major satisfaction in my life comes from my job.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f. The most important things that happen to me involve my work.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g. I'm really a perfectionist about my work.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h. I live, eat, and breathe my job.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
i. Most things in life are more important than work.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
j. I am very much involved personally in my work.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
k. Being a Marine is worth personal sacrifice.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

12. During the past month, how often did the following happen while you were ON DUTY?

- a. Your mind was not on the job.....
- b. You lost your temper.....
- c. You accomplished less than you would like.....
- d. You were not at your best.....
- e. You were more likely to make mistakes.....
- f. Your performance was criticized by co-workers.....
- g. You had problems with a superior.....

	None of the time	A little of the time	Some of the time	Most of the time	All of the time
a.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

13. Please show how satisfied or dissatisfied you are with each of the following aspects of your job.

- a. How satisfied are you with your PEERS AND CO-WORKERS? .....
- b. How satisfied are you with your PAY AND BENEFITS? .....
- c. How satisfied are you with the amount of SUPPORT AND GUIDANCE you receive from your SUPERVISOR? .....
- d. How satisfied are you with the AMOUNT OF JOB SECURITY you have? .....
- e. How satisfied are you with the opportunity for PERSONAL GROWTH AND DEVELOPMENT on your job? .....
- f. How satisfied are you with the degree of RESPECT AND FAIR TREATMENT you receive from superiors? .....
- g. How satisfied are you with the AMOUNT OF CHALLENGE in your job? .....
- h. How satisfied are you with the FEELING OF ACCOMPLISHMENT you get from doing your job? .....
- i. How satisfied are you with the LEADERSHIP provided by your supervisors? .....
- j. How satisfied are you with the FEEDBACK you get from others? .....
- k. How satisfied are you with the AMOUNT OF RESPONSIBILITY you have on your job? .....
- l. Considering all these different aspects, how satisfied are you with your job OVERALL? .....

	Completely dissatisfied	Somewhat dissatisfied	Neutral	Somewhat satisfied	Completely satisfied
a.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
i.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
j.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
k.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
l.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

14. Look at the five job statements below and show in the column at the left how often each is true of the job you have NOW. Then, in the column on the right, show how often that statement would be true of your IDEAL JOB.

**PRESENT JOB**

	Never	Seldom	Occasionally	Most of the time	Always
1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**IDEAL JOB**

	Never	Seldom	Occasionally	Most of the time	Always
1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

- 1 I am able to do a lot of different things on my job
- 2 I get to decide on my own how to go about doing my work
- 3 I can see from the work itself how well I am doing
- 4 I do work that is important in the overall scheme of things
- 5 I get to completely finish the tasks I begin

15. Would you be more likely or less likely to have your ideal job NOW if you were a civilian?
- Much more likely
  - More likely
  - About equally likely
  - Less likely
  - Much less likely

16. To what extent does your job affect your plans to remain on active duty?
- Not at all
  - Very little
  - A little
  - Somewhat
  - A lot
  - Quite a lot
  - A great deal

17. In your opinion, what is the ONE best thing about being a Marine?
- A chance to serve your country
  - Job security
  - Pay and benefits
  - Adventure and excitement
  - Being one of "the few and the proud"
  - Training and personal development
  - Retirement options
  - Other

## YOURSELF

1. All in all, how are you feeling about yourself these days?
- Terrible
  - Unhappy
  - Mostly unhappy
  - Neither unhappy nor pleased
  - Mostly pleased
  - Pleased
  - Delighted

2. Do you feel that you are pretty much in control of your life and handling things well, or do you more often feel as if you have lost control?
- I am handling all areas of my life well
  - I am handling most areas of my life well
  - Some areas of my life seem out of control
  - Many areas of my life seem out of control
  - My life seems totally out of control

3. How about your work skills? Do you think your skills are:
- Readily marketable
  - Likely to be marketable
  - May or may not be marketable
  - Not likely to be marketable
  - Not marketable

4. Since joining the Marine Corps, have you:
- (MARK ALL THAT APPLY TO YOU)
- Completed your high school equivalency
  - Taken college classes
  - Begun a college degree program
  - Obtained a college degree
  - Taken personal enrichment class(es)

5. In the next few questions, please tell us how satisfied or dissatisfied you are with various aspects of your personal development, using this scale.

- a. How satisfied are you with your ABILITY TO GET ALONG WITH OTHERS? .....
- b. How satisfied are you with your PROGRESS TOWARD YOUR PERSONAL GOALS? ..
- c. How satisfied are you with your PHYSICAL APPEARANCE? .....
- d. How satisfied are you with your GENERAL COMPETENCE? .....
- e. How satisfied are you with your SELF-DISCIPLINE? .....
- f. How satisfied are you with YOURSELF OVERALL? .....

Completely dissatisfied	Somewhat dissatisfied	Dissatisfied	Neutral	Somewhat satisfied	Satisfied	Completely satisfied
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

6. How well do you think the following statements describe you? Please indicate how much you agree or disagree with each statement.

- a. In uncertain times, I usually expect the best .....
- b. It's easy for me to relax .....
- c. If something can go wrong for me, it will .....
- d. I always look on the bright side of things .....
- e. I'm always optimistic about my future .....
- f. I enjoy my friends a lot .....
- g. It's important for me to keep busy .....
- h. I hardly ever expect things to go my way .....
- i. Things never work out the way I want them to .....
- j. I don't get upset too easily .....
- k. I'm a believer in the idea that "every cloud has a silver lining" .....
- l. I rarely count on good things happening to me .....

Strongly disagree	Disagree	Neither disagree nor agree	Somewhat agree	Agree	Strongly agree
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<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

7. Consider your personal development since joining the Marine Corps. Do you think your personal development would have been better or worse if you had remained a civilian?

- A lot worse
- Considerably worse
- A little worse
- About the same
- A little better
- Considerably better
- A lot better

8. How do you think your personal accomplishments compare with those of most Marine Corps members at the same paygrade?

- A lot less
- Considerably less
- A little less
- About the same
- A little more
- Considerably more
- A lot more

9. How often has your personal development been on your mind lately?

- Almost all the time
- A great deal
- Quite a bit
- Once in a while
- Seldom
- Hardly ever
- Not at all

10. To what extent does your personal development affect your job performance? .....

11. To what extent does your personal development affect your plans to remain on active duty? .....

Not at all	Very little	A little	Somewhat	A lot	A great deal
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>





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