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CONSULTATION WITH THE FIRST CAVALRY DIVISION FORT HOOD TEXAS: 1ST CAV SUR. (U) ARMY HEALTH CARE STUDIES AND CLINICAL INVESTIGATION ACTIVITY F..

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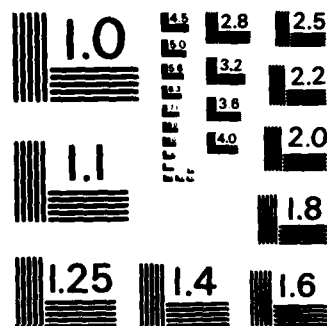
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United States Army
Health Care Studies
and



Clinical Investigation Activity

CONSULTATION WITH THE FIRST CAVALRY DIVISION
FORT HOOD, TEXAS:
1ST CAV SURVEY

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Consultation Report #85-003

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) Cohesion is best described as a multi-faced construct. Specific survey instruments are required to assess morale and cohesion. The 1st Cav Survey can be described as an instrument having reasonable reliability characteristics. Factor analyses and reliability estimates of item clusters were performed. Convergent validity for the 1st Cav Survey was able to successfully discriminate the soldiers who were scheduled to participate in the field exercise from those who were cut in Phase I.		

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Consultation with the First Cavalry Division, Ft. Hood, Texas: 1st Cav Survey

The Mental Health Section of the 1st Armored Cavalry Division constructed the 1st Cav Survey to assess the cohesion and morale of its units. The instrument consists of 45 items, most of which use 5-point Likert scales. See Appendix A for the survey instrument. The 1st Cav Survey is patterned after the Combat Stress Survey developed by the 4th Infantry Division at Fort Carson. In addition, several measures of cohesion developed by the Walter Reed Army Institute of Research were administered to assess construct validity. These surveys were: the General Well Being scale, the Company Perceptions questionnaire, and the E1-E4 Squad/Platoon Perceptions survey. See Appendix A for the survey instruments.

After having collected the data, the Division Surgeon at Fort Hood requested assistance from the Health Care Studies and Clinical Investigation Activity in analyzing the responses. The purposes of this consultation are: (1) to examine the test characteristics of the 1st Cav Survey and (2) to examine the responses of units administered the surveys before (Phase I) and after deployment (Phase II) to field exercises in Central America.

METHOD

Subjects.

Samples were taken from troops in three brigades who were administered the surveys during two phases; the results for Phase I (pre-deployment) were from 303 soldiers taking the surveys in June 1984. Phase II (post-deployment) responses were from 211 soldiers who returned in July 1984.

Procedure.

Surveys were given to soldiers from three brigades. Three groups were surveyed: those who knew they were to participate in the field exercise (Group 1: participants); those who did not participate (Group 2: controls); and those who went to the air transport expecting to participate but learned they were cut (Group 3: cuts). In Phase I, the battery of survey instruments administered included: the 1st Cav Survey, the General Well Being scale, the Company Perceptions Questionnaire, and the E1-E4 Squad/Platoon Survey (see Annex A for survey instruments). In Phase II, only the 1st Cav Survey was used. Two analyses were performed for Phase I: (1) a principal components factor analysis and (2) reliability estimates of the item clusters determined from the factor analyses. Reliability estimates were calculated for all survey instruments; reliability estimates used the Kuder Richardson procedure to calculate coefficient alphas. The maximum possible reliability estimate could be 1.00.

RESULTS

a. Test Characteristics.

1. 1st Cavalry Survey.

Phase I.

- Factor Analysis to Assess Psychometric Characteristics.

Responses from the 303 soldiers were submitted to a principal components factor analysis of the 45 items. Nine factors with eigenvalues greater than 1.0 were obtained, accounting for 73.1% of the cumulative variance. A Varimax rotation with Kaiser normalization was performed on the nine factors. Items having an item-total score of .30 were extracted.

- Reliability Estimates.

Eight item clusters were extracted and subjected to reliability estimates using coefficient alpha. The coefficient alphas for the separate scales were: scale 1 (6 items) was .964; scale 2 (7 items) was .925; scale 3 (12 items) was .920; scale 4 (8 items) was .925; scale 5 (8 items) was .895; scale 6 (8 items) was .836; scale 7 (10 items) was .914; scale 8 (8 items) was .860. Annex B contains the items assigned to the item clusters and proposed labels for the clusters.

Phase II.

- Factor Analysis.

Responses from the 211 soldiers were submitted to a principal components factor analysis of the 45 items. Nine factors with eigenvalues greater than 1.0 were obtained, accounting for 74.9% of the cumulative variance. A Varimax rotation was performed on the factors.

- Reliability Estimates of Phase II Responses Using Phase I Item Cluster Scoring.

Responses from the 211 soldiers were scored using the Phase I clusters; scale 1 (6 items) was .951; scale 2 (7 items) was .902; scale 3 (12 items) was .914; scale 4 (8 items) was .882; scale 5 (8 items) was .913; scale 6 (8 items) was .891; scale 7 (10 items) was .915; and scale 8 (8 items) was .778.

2. General Well Being Scale.

- Reliability Estimate.

Responses from 45 soldiers in Phase I were submitted to reliability estimates. The coefficient alpha for the 18 items was .903.

3. Company Perceptions Questionnaire.

- Reliability Estimate.

Responses from 49 soldiers in Phase I were submitted to reliability estimates. The coefficient alpha for the 32 items was .940

4. E1/E4 Squad/Platoon Perceptions Survey.

- Reliability Estimate.

Responses from 38 soldiers in Phase I were submitted to reliability estimates. The coefficient alpha for the 14 items was .804.

b. Intercorrelations Between Scales.

Selected demographic variables (age, rank) were correlated with the scores from the General Well Being scale, the Company Perceptions questionnaire, the E1-E4 Squad/Platoon Perceptions survey, and the eight item clusters from the 1st Cav Survey. The correlation matrix is contained in Table 1. There were significant correlations between the 1st Cav Survey subscales and the other measures of cohesion ($p < .05$).

c. Comparisons Between Soldier Groups.

Using data collected in Phase I, comparisons were made between soldiers in the three groups: those who knew they were to participate in the field exercise (Group 1: participants), those who did not participate (Group 2: controls), and those who went to the air transport expecting to participate but were cut (Group 3: cuts). There were significant differences between the groups for 1st Cav cluster 2, 1st Cav cluster 3, 1st Cav cluster 4, 1st Cav cluster 5, 1st Cav cluster 6, and 1st Cav cluster 8. The differences occurred principally with Group 3; those soldiers who learned they were cut (Group 3) were most discontented with their units. There were no significant differences between groups on the General Well Being scale, the E1-E4 Squad/Platoon Perceptions survey, or the Company Perceptions questionnaire. See Table 2 for a summary of these data.

Where possible, scores were calculated for company sized units. Unfortunately, there were no overlaps between the units surveyed in Phase I and in Phase II; no comparisons could be made. In addition, there were very few soldiers who reported their unit identification.

DISCUSSION

The 1st Cavalry Survey can be described as an instrument having acceptable reliability characteristics. The reliability estimates for the subscales ranged from .779 to .964; the factors accounting for greater than 73% of the cumulative variance. The reliability estimates for the other cohesion measures were: General Well Being scale (.903), Company Perceptions Questionnaire (.940), and for the E1-E4 Squad/Platoon Survey (.804). The construct validity of the scales was assessed using the correlation between the 1st Cav Survey clusters and the General Well Being

scale, the E1-E4 Squad/Platoon Perceptions survey, and the Company Perceptions questionnaire. The 1st Cav Survey clusters were significantly related to the other measures of cohesion. This was interpreted as good convergent validity for the 1st Cav Survey subscales. A further confirmation of the effectiveness of the 1st Cav Survey was its ability to successfully discriminate the soldiers who were scheduled to participate in the field exercise from those who learned they were cut in Phase I.

Some cautions about the present findings are in order. The sample size was rather limited. The small number of respondents answering all the survey instruments is of concern; these findings should be replicated on a larger sample. The use of a variety of response formats in the 1st Cav Survey may have been responsible for the large number of factors recognized; the Combat Stress Survey instrument (see Mangelsdorff, King, and O'Brien, 1985) from which the 1st Cav Survey was derived, had only one format which yielded three factors. Respondents may have needed more information about the purposes of the study. Commanders may have needed more information on why their units were being asked to participate and on the value of the findings to the commander.

RECOMMENDATIONS

Recommend using the 4th Infantry Division Combat Stress Survey format rather than the multiple formats of the 1st Cav Survey.

Recommend closer monitoring to obtain more complete data on subjects, particularly the unit identification codes.

Recommend that the same units and soldiers be assessed under all conditions and made aware of the reasons for the surveys.

Recommend all respondents be surveyed with all of the instruments if possible.

Recommend closer coordination with unit commanders to ensure their awareness of the purposes and the benefits of future studies.

REFERENCES

Mangelsdorff, A.D., King, J.M., and O'Brien, D.E. (1983, October). (Editors). Proceedings of the Third Users' Workshop on Combat Stress: Cohesion, Health Care Studies and Clinical Investigation Activity Consultation report 84-001.

Mangelsdorff, A.D., King, J.M., and O'Brien, D.E. (1985). Consultation with the 4th Infantry Division (Mechanized), Fort Carson, Colorado: Combat Stress Survey, Health Care Studies and Clinical Investigation Activity Consultation Report 85-004.

Table 1

Correlation Matrix

	2	3	4	5	6	7	8	9	10	11	12	13
1	-390	-280	019	-059	388	590	566	573	482	464	443	464
2		545	-158	375	-328	-493	-548	-527	-657	-550	-448	-345
3			357	373	-240	-634	-567	-572	-625	-300	-493	-306
4				550	-094	-511	-257	-348	-480	-302	-187	-074
5					-134	-510	-442	-535	-567	-226	-489	-226
6						355	606	440	427	528	577	546
7							754	868	739	535	704	655
8								854	783	761	869	754
9									773	532	766	653
10										-000	838	572
11											605	730
12												663

Key to variable labels: (1) General Well Being scale, (2) E1-E4 Squad/Platoon Perceptions survey, (3) Company Perceptions questionnaire, (4) Rank (enlisted only), (5) Age, (6) 1st Cav Survey cluster 1, (7) 1st Cav Survey cluster 2, (8) 1st Cav cluster 3, (9) 1st Cav cluster 4, (10) 1st Cav cluster 5, (11) 1st Cav cluster 6, (12) 1st Cav cluster 7, (13) 1st Cav cluster 8.

Table 2
Comparisons Between Soldier Groups
Using Phase I Data

Scale	Mean (Standard Deviation) cell n			F (df)	p
	Group 1: participants	Group 2: controls	Group 3: cuts		
General Well Being	61.0 (21.6) 10	72.1 (13.9) 22	63.4 (21.8) 13	1.61 (2/42)	ns
E1-E4 Perceptions	2.0 (0.3) 4	1.7 (0.3) 18	2.0 (0.4) 15	3.04 (2/34)	ns
Company Perceptions	3.0 (0.6) 10	2.8 (0.6) 22	2.8 (0.6) 16	0.53 (2/45)	ns
Age	21.9 (3.5) 10	21.0 (4.3) 23	22.3 (3.3) 16	0.54 (2/46)	ns
1st Cav cluster 1	3.8 (0.8) 236	3.8 (0.7) 46	3.6 (0.8) 16	0.23 (2/29)	ns
1st Cav cluster 2	3.6 (0.7) 238	3.6 (0.9) 46	3.0 (1.1) 16	3.55 (2/97)	.02
1st Cav cluster 3	3.7 (0.7) 240	3.7 (0.6) 47	3.1 (1.0) 16	6.05 (2/300)	.002
1st Cav cluster 4	3.8 (0.7) 238	3.7 (0.8) 47	3.3 (1.0) 16	3.58 (2/298)	.029
1st Cav cluster 5	3.6 (0.7) 240	3.6 (0.8) 47	2.9 (0.9) 16	6.33 (2/300)	.002
1st Cav cluster 6	3.8 (0.6) 235	4.0 (0.6) 46	3.3 (0.9) 16	7.22 (2/294)	.0009
1st Cav cluster 7	3.6 (0.7) 240	3.5 (0.6) 47	3.1 (0.9) 16	2.96 (2/300)	.052
1st Cav cluster 8	3.8 (0.6) 238	3.8 (0.6) 46	3.2 (0.9) 16	7.93 (2/297)	.0004

Notes:

see Annex A for copies of survey instruments and scoring keys
see Annex B for interpretation of 1st Cav clusters

ANNEX A

Survey Instruments

**1st Cav Survey
General Well Being scale
E1-E4 Squad/Platoon Perceptions survey
Company Perceptions questionnaire**

1ST CAVALRY SURVEY

```

67. DO IF NOT(SYSMIS(GWB8))
68.   COMPUTE NGWB8 = GWB8 - 1
69.   ELSE
70.     COMPUTE CNT5 = CNT5 - 1
71.     END IF
72. DO IF NOT(SYSMIS(GWB10))
73.   COMPUTE NGWB10 = GWB10 - 1
74.   ELSE
75.     COMPUTE CNT1 = CNT1 - 1
76.     END IF
77. DO IF NOT(SYSMIS(GWB12))
78.   COMPUTE NGWB12 = GWB12 - 1
79.   ELSE
80.     COMPUTE CNT4 = CNT4 - 1
81.     END IF
82. DO IF NOT(SYSMIS(GWB14))
83.   COMPUTE NGWB14 = GWB14 - 1
84.   ELSE
85.     COMPUTE CNT2 = CNT2 - 1
86.     END IF
87. DO IF NOT(SYSMIS(GWB15))
88.   COMPUTE NGWB15 = 10 - GWB15
89.   ELSE
90.     COMPUTE CNT1 = CNT1 - 1
91.     END IF
92. DO IF NOT(SYSMIS(GWB16))
93.   COMPUTE NGWB16 = 10 - GWB16
94.   ELSE
95.     COMPUTE CNT5 = CNT5 - 1
96.     END IF
97. DO IF NOT(SYSMIS(GWB17))
98.   COMPUTE NGWB17 = GWB17
99.   ELSE
100.    COMPUTE CNT2 = CNT2 - 1
101.    END IF
102. DO IF NOT(SYSMIS(GWB18))
103.   COMPUTE NGWB18 = GWB18
104.   ELSE
105.     COMPUTE CNT4 = CNT4 - 1
106.     END IF
107. COMPUTE NOWORRY = NGWB10 + NGWB15
108. COMPUTE ENERGY = NGWB9 + NGWB14 + NGWB17
109. COMPUTE SATLIFE = NGWB6 + NGWB11
110. COMPUTE CHEERFUL = NGWB1 + NGWB4 + NGWB12 + NGWB18
111. COMPUTE TENSE = NGWB2 + NGWB5 + NGWB8 + NGWB16
112. COMPUTE EMOTCONT = NGWB3 + NGWB7 + NGWB13
113. COMPUTE GWB = NOWORRY + ENERGY + SATLIFE + CHEERFUL +
114.   TENSE + EMOTCONT
115. IF CNT1 GE 1 AND CNT2 GE 3 AND CNT3 GE 2 AND CNT4 GE 4
116.   AND CNT5 GE 4 AND CNT6 GE 3
117.   TOTLCNT = CNT1 + CNT2 + CNT3 + CNT4 + CNT5 + CNT6
118. IF TOTLCNT > 15   GWB2MN = SUM(NGWB1 TO NGWB18)/TOTLCNT
119. IF TOTLCNT GT 15   GWBSCR2 = GWB2MN*18
120. IF TOTLCNT = 18   CUR1MN = SUM(NGWB1 TO NGWB18)/18

```

```

3.  COMMENT
4.  COMMENT      SAVED AS SPSS.Scores(GWB)
5.  COMMENT
6.  RECODE      RECODE GWB1 TO GWB14 (1=1) (2=2) (3=3) (4=4) (5=5)
7.  RECODE      (6=6) (ELSE=SYSMIS)
8.  RECODE      RECODE GWB15 TO GWB18 (1=1) (2=2) (3=3) (4=4) (5=5) (6=6)
9.  RECODE      (7=7) (8=8) (9=9) (10=10) (ELSE=SYSMIS)
10.  RECODE      COMPUTE CNT1 = 2
11.  RECODE      COMPUTE CNT2 = 3
12.  RECODE      COMPUTE CNT3 = 2
13.  RECODE      COMPUTE CNT4 = 4
14.  RECODE      COMPUTE CNT5 = 4
15.  RECODE      COMPUTE CNT6 = 3
16.  RECODE      DO IF NOT(SYSMIS(GWB1))
17.  RECODE      COMPUTE NGWB1 = 6 - GWB1
18.  RECODE      ELSE
19.  RECODE      COMPUTE CNT4 = CNT4 - 1
20.  RECODE      END IF
21.  RECODE      DO IF NOT(SYSMIS(GWB3))
22.  RECODE      COMPUTE NGWB3 = 6 - GWB3
23.  RECODE      ELSE
24.  RECODE      COMPUTE CNT6 = CNT6 - 1
25.  RECODE      END IF
26.  RECODE      DO IF NOT(SYSMIS(GWB6))
27.  RECODE      COMPUTE NGWB6 = 6 - GWB6
28.  RECODE      ELSE
29.  RECODE      COMPUTE CNT3 = CNT3 - 1
30.  RECODE      END IF
31.  RECODE      DO IF NOT(SYSMIS(GWB7))
32.  RECODE      COMPUTE NGWB7 = 6 - GWB7
33.  RECODE      ELSE
34.  RECODE      COMPUTE CNT6 = CNT6 - 1
35.  RECODE      END IF
36.  RECODE      DO IF NOT(SYSMIS(GWB9))
37.  RECODE      COMPUTE NGWB9 = 6 - GWB9
38.  RECODE      ELSE
39.  RECODE      COMPUTE CNT2 = CNT2 - 1
40.  RECODE      END IF
41.  RECODE      DO IF NOT(SYSMIS(GWB11))
42.  RECODE      COMPUTE NGWB11 = 6 - GWB11
43.  RECODE      ELSE
44.  RECODE      COMPUTE CNT3 = CNT3 - 1
45.  RECODE      END IF
46.  RECODE      DO IF NOT(SYSMIS(GWB13))
47.  RECODE      COMPUTE NGWB13 = 6 - GWB13
48.  RECODE      ELSE
49.  RECODE      COMPUTE CNT6 = CNT6 - 1
50.  RECODE      END IF
51.  RECODE      DO IF NOT(SYSMIS(GWB2))
52.  RECODE      COMPUTE NGWB2 = GWB2 - 1
53.  RECODE      ELSE
54.  RECODE      COMPUTE CNT5 = CNT5 - 1
55.  RECODE      END IF
56.  RECODE      DO IF NOT(SYSMIS(GWB4))
57.  RECODE      COMPUTE NGWB4 = GWB4 - 1
58.  RECODE      ELSE
59.  RECODE      COMPUTE CNT4 = CNT4 - 1
60.

```

Have you been feeling emotionally stable and sure of yourself?
(DURING THE PAST MONTH)

1. ☐ All of the time
2. ☐ Most of the time
3. ☐ A good bit of the time
4. ☐ Some of the time
5. ☐ A little of the time
6. ☐ None of the time

Have you felt tired, worn out, used up, or exhausted?
(DURING THE PAST MONTH)

1. ☐ All of the time
2. ☐ Most of the time
3. ☐ A good bit of the time
4. ☐ Some of the time
5. ☐ A little of the time
6. ☐ None of the time

.....
 EACH OF THE FOUR SCALES BELOW, NOTE THAT THE WORDS AT EACH END OF THE
 10 SCALE DESCRIBE OPPOSITE FEELINGS. CIRCLE ANY NUMBER ALONG THE BAR
 SEEMS CLOSEST TO HOW YOU HAVE GENERALLY FELT DURING THE PAST MONTH

3) How concerned or worried about your health have you been?
(DURING THE PAST MONTH)

0 1 2 3 4 5 6 7 8 9 10

concerned at all _____ Very concerned

5) How relaxed or tense have you been? (DURING THE PAST MONTH)

0 1 2 3 4 5 6 7 8 9 10

Very relaxed _____ Very tense

7) How much ENERGY, PEP, VITALITY, have you felt? (DURING THE PAST MONTH)

0 1 2 3 4 5 6 7 8 9 10

no energy at all _____ Very energetic
 Listless _____ Dynamic

9) ..How DEPRESSED or CHEERFUL have you been? (DURING THE PAST MONTH)

0 1 2 3 4 5 6 7 8 9 10

Very depressed _____ Very Cheerful

Do you discuss your problems with
 any members of your family or friends?

1. ☐ Yes-and it helps a lot
2. ☐ Yes-and it helps some
3. ☐ Yes-but it does not help
all
4. ☐ No, I do not have anyone
I can talk with about them
5. ☐ No, no one care to hear
about them
6. ☐ No, I do not care to tell
about my problems with
anyone
7. ☐ No, I do not have any
problems

How happy, satisfied, or pleased have you been with your personal life? (DURING THE PAST MONTH)

1. ☐ Extremely happy - could not have been more satisfied or pleased
2. ☐ Very happy
3. ☐ Fairly happy
4. ☐ Satisfied - pleased.
5. ☐ Somewhat dissatisfied
6. ☐ Very dissatisfied

Have you had any reason to wonder if you were losing your mind, or losing control over the way you act, talk, think, feel, or of your memory? (DURING THE PAST MONTH)

1. ☐ Not at all
2. ☐ Only a little
3. ☐ Some-but not enough to be concerned or worried about
4. ☐ Some and I have been a little concerned
5. ☐ Some and I am quite concerned
6. ☐ Yes, very much so and I am very concerned

Have you been anxious, worried or upset? (DURING THE PAST MONTH)

1. ☐ Extremely so - to the point being sick or almost sick.
2. ☐ Very much so.
3. ☐ Quite a bit.
4. ☐ Some - enough to bother me
5. ☐ A little bit
6. ☐ Not at all

Have you been waking up fresh and rested? (DURING THE PAST MONTH)

1. ☐ Every day
2. ☐ Most every day
3. ☐ Fairly often
4. ☐ Less than half the time
5. ☐ Rarely
6. ☐ None of the time

Have you been bothered by any illness, bodily disorder, pains, or fears about your health? (DURING THE PAST MONTH)

1. ☐ All the time
2. ☐ Most of the time
3. ☐ A good bit of the time
4. ☐ Some of the time
5. ☐ A little of the time
6. ☐ None of the time

Has your daily life been full of things that were interesting to you? (DURING THE PAST MONTH)

1. ☐ All the time
2. ☐ Most of the time
3. ☐ A good bit of the time
4. ☐ Some of the time
5. ☐ A little of the time
6. ☐ None of the time

Have you felt downhearted and blue? (DURING THE PAST MONTH)

1. ☐ All of the time
2. ☐ Most of the time
3. ☐ A good bit of the time
4. ☐ Some of the time
5. ☐ A little of the time
6. ☐ None of the time

IN (2) CMPNY (3-5) BN GRADE (6) E 1 2 3 4 5 6 7 8
(7) 0 1 2 3

GENERAL WELL BEING

FOR EACH QUESTION MARK WITH AN X THE ANSWER THAT BEST APPLIES TO YOU

How have you been feeling in general?
(DURING THE PAST MONTH)

1. ☐ In excellent spirits
2. ☐ In very good spirits
3. ☐ In good spirits mostly
4. ☐ I have been up and down in spirits a lot
5. ☐ In low spirits mostly
6. ☐ In very low spirits

Have you been bothered by nervousness or your "nerves?"
(DURING THE PAST MONTH)

1. ☐ Extremely so - to the point where could not work or take care of things
2. ☐ Very much so
3. ☐ Quite a bit
4. ☐ Some-enough to bother me
5. ☐ A little
6. ☐ Not at all

Have you been in firm control of your behavior, thoughts, emotions or feelings? (DURING THE PAST MONTH)

1. ☐ Yes, definitely so
2. ☐ Yes, for the most part
3. ☐ Generally so
4. ☐ Not too well
5. ☐ No, and I am somewhat disturbed
6. ☐ No, and I am very disturbed

Have you felt so sad, discouraged, hopeless, or had so many problems that you wondered if anything was worthwhile? (DURING THE PAST MONTH)

1. ☐ Extremely so - to the point I have just about given up
2. ☐ Very much so
3. ☐ Quite a bit
4. ☐ Some - enough to bother me
5. ☐ A little bit
6. ☐ Not at all

Have you been under or felt you were under any strain, stress, or pressure? (DURING THE PAST MONTH)

1. ☐ Yes - almost more than I could bear or stand
2. ☐ Yes - quite a bit of pressure
3. ☐ Yes, some more than usual
4. ☐ Yes - some but about usual
5. ☐ Yes - a little
6. ☐ Not at all

GENERAL WELL BEING SCALE

PLEASE PRINT YOUR ANSWERS TO EACH OF THE FOLLOWING QUESTIONS:

What is your Social Security Number? _____

(58)

How old are you? _____

(59)

What is your Squad or Aircraft? _____

(60)

What is your Platoon? _____

(61)

What is your Company? _____

(62)

What is your Battalion? _____

(63)

What is your Brigade? _____

(64)

1ST CAV SURVEY

	<u>Strongly Disagree</u>	<u>Somewhat Disagree</u>	<u>Undecided</u>	<u>Somewhat Agree</u>	<u>Strongly Agree</u>	
(51) My individual training has prepared me for this exercise.	1	2	3	4	5	☐ (51)
(52) My squad's or aircraft's training has prepared us to work together in this exercise.	1	2	3	4	5	☐ (52)
(53) I am confident that the enlisted people (E1-E4) who will work with me in this exercise will do their duties.	1	2	3	4	5	☐ (53)
(54) I am confident that the NCO's (E5 and above) who will work with me in this exercise will do their duties.	1	2	3	4	5	☐ (54)
(55) I am confident that the officers who will work with me in this exercise will do their duties.	1	2	3	4	5	☐ (55)
(56) In this field exercise or in combat, I can completely trust and depend upon the soldiers and officers I work with.	1	2	3	4	5	☐ (56)
(57) When I am in the field, my leaders tell me what is going on and what to expect.	1	2	3	4	5	☐ (57)

1ST CAV SURVEY

How would you describe the relationships between the officers and men in your unit?

	<u>Poor</u>	<u>Not so Good</u>	<u>Fair</u>	<u>Good</u>	<u>Very Good</u>	
(42) Your Platoon or Aircraft Crew	1	2	3	4	5	☐ (42)
(43) Your Company	1	2	3	4	5	☐ (43)
(44) Your Battalion	1	2	3	4	5	☐ (44)
(45) Your Brigade	1	2	3	4	5	☐ (45)
(46) The Division	1	2	3	4	5	☐ (46)
(47) How often do you worry about what might happen to you, if and when your unit goes into combat?						☐ (47)
1. Always 2. Often 3. Occasionally						
4. Hardly Ever 5. Never						
(48) How often do your friends in the squad or aircraft crew talk to each other about these worries?						☐ (48)
1. Always 2. Often 3. Occasionally						
4. Hardly Ever 5. Never						
(49) How important are you to the success of the 1st CAV Division?						☐ (49)
1. Not Important at all 2. Slightly Important 3. Somewhat Important						
4. Important 5. Very Important						
(50) How good is your own spirit or morale right now?						☐ (50)
1. Poor 2. Not so Good 3. Fair						
4. Good 5. Very Good						

1ST CAV SURVEY

	<u>Poor</u>	<u>Not so Good</u>	<u>Fair</u>	<u>Good</u>	<u>Very Good</u>	
31) How would you describe your confidence and readiness to fight, and when it is necessary?	1	2	3	4	5	☐ (31)

If your unit would ever have to fight, how would you describe your confidence or faith in:

32) Squad Leader or Aircraft Crew Leader	1	2	3	4	5	☐ (32)
33) Platoon Leader	1	2	3	4	5	☐ (33)
34) Company CO	1	2	3	4	5	☐ (34)
35) Battalion CO	1	2	3	4	5	☐ (35)
36) Brigade CO	1	2	3	4	5	☐ (36)
37) Division CO	1	2	3	4	5	☐ (37)

38) How well do you know your squad's or aircraft's mission for this field exercise? ☐ (38)

1. Know it very well	4. Know it only a little
2. Know it well	5. Don't know it at all
3. Know it somewhat	

39) How much of your units' training has been useful in preparing you for this exercise? ☐ (39)

1. Nearly all of it	4. Very little of it
2. Most of it	5. None of it
3. Some of it	

	<u>Poor</u>	<u>Not so Good</u>	<u>Fair</u>	<u>Good</u>	<u>Very Good</u>	
40) How would you rate your skills as a soldier?	1	2	3	4	5	☐ (40)
41) How would you rate your squad's or aircraft crew's together-ness or closeness as a team?	1	2	3	4	5	☐ (41)

EST CAV SURVEY

	<u>Poor</u>	<u>Not so Good</u>	<u>Fair</u>	<u>Good</u>	<u>Very Good</u>	
7) Your Brigade	1	2	3	4	5	☐ (17)
8) The Division	1	2	3	4	5	☐ (18)

How would you describe your units' readiness for combat?

9) Your Squad or Air Craft Crew	1	2	3	4	5	☐ (19)
10) Your Platoon	1	2	3	4	5	☐ (20)
11) Your Company	1	2	3	4	5	☐ (21)
12) Your Battalion	1	2	3	4	5	☐ (22)
13) Your Brigade	1	2	3	4	5	☐ (23)
14) The Division	1	2	3	4	5	☐ (24)

How would you describe the condition of your units' weapons?

15) Your Squad's or Aircraft's	1	2	3	4	5	☐ (25)
16) Your Platoon's	1	2	3	4	5	☐ (26)
17) Your Company's	1	2	3	4	5	☐ (27)
18) Your Battalion's	1	2	3	4	5	☐ (28)
19) Your Brigade's	1	2	3	4	5	☐ (29)
20) The Division's	1	2	3	4	5	☐ (30)

ST CAV SURVEY

(7) How many children do you have living with you? ☐ (7)
 1. None 2. One 3. More than one

(8) How worried are you about things at home (for example, marriage problems, problems with the kind, and/or money worries)? ☐ (8)
 1. Very worried 2. Somewhat worried 3. Not worried

(9) How sure are you that your family members can take care of themselves while you are on this exercise? ☐ (9)
 1. Very sure 2. Somewhat sure 3. Not sure at all

(10) What is your military rank? ☐ (10)
 1. E-1 to E-2 5. W-1 to W-4
 2. E-3 to E-4 6. O-1 to O-3
 3. E-5 to E-6 7. O-4 and above
 4. E-7 to E-9

(11) What is your ethnic background? ☐ (11)
 1. White 4. Asian American
 2. Black 5. Other
 3. Hispanic

(12) What is your leadership position? ☐ (12)
 1. I have no leadership position
 2. Squad Leader 6. Platoon Leader
 3. Platoon Sergeant 7. Aircraft Commander
 4. Aircraft Crew Chief 8. Company Commander
 5. 1st Sergeant 9. Battalion Commander or higher

What is the level of spirit or morale in your units?

	<u>Poor</u>	<u>Not so Good</u>	<u>Fair</u>	<u>Good</u>	<u>Very Good</u>	
(13) Your Squad or Aircraft Crew	1	2	3	4	5	☐ (13)
(14) Your Platoon	1	2	3	4	5	☐ (14)
(15) Your Company	1	2	3	4	5	☐ (15)
(16) Your Battalion	1	2	3	4	5	☐ (16)

1ST CAV SURVEY

Circle the answer which best fits with how you see things in yourself or your unit. Circle only one answer for each question.

The CAV needs you to answer all of the questions!

- (1) How long have you been in the Army? ☐ (1)
- | | |
|-------------------------|------------------|
| 1. 6 months or less | 4. 5 to 10 years |
| 2. 7 to 18 months | 5. Over 10 years |
| 3. 19 months to 4 years | |
- (2) How much education have you had? ☐ (2)
- | |
|---|
| 1. No high school diploma |
| 2. High school diploma or G.E.D. |
| 3. College work but less than a 4-year degree |
| 4. College work with a 4-year degree |
| 5. More than a 4-year college degree |
- (3) What is your sex? ☐ (3)
- | |
|-----------|
| 1. Female |
| 2. Male |
- (4) How long have you been in the 1st CAV Division? ☐ (4)
- | | |
|---------------------|-------------------------|
| 1. 6 months or less | 4. 19 months to 2 years |
| 2. 7 to 12 months | 5. More than 2 years |
| 3. 13 to 18 months | |
- (5) How long have you been in your present squad or aircraft crew? ☐ (5)
- | |
|-------------------------|
| 1. 6 months or less |
| 2. 7 to 12 months |
| 3. 13 to 18 months |
| 4. 19 months to 2 years |
| 5. More than 2 years |
- (6) What is your marital status? ☐ (6)
- | | |
|------------|--------------------------|
| 1. Single | 3. Divorced or Separated |
| 2. Married | 4. Widowed |

1ST CAV SURVEY

The men and women of the 1st CAV Division are the best in the Army. The success of the Division is due to its incredible Team Spirit. This 1st CAV Survey is our way of getting important information about the spirit of The First Team.

Please answer the questions in this survey. Your honest answers will help us work together in the finest tradition of the 1st CAV.

Thank you for your help!



```

121. + COMPUTE NOWORRY = NGWB10 + NGWB15
122. + COMPUTE ENERGY = NGWB9 + NGWB14 + NGWB17
123. + COMPUTE SATLIFE = NGWB6 + NGWB11
124. + COMPUTE CHEERFUL = NGWB1 + NGWB4 + NGWB12 + NGWB18
125. + COMPUTE TENSE = NGWB2 + NGWB5 + NGWB8 + NGWB16
126. + COMPUTE EMOTCONT = NGWB3 + NGWB7 + NGWB13
127. + COMPUTE GWB = NOWORRY + ENERGY + SATLIFE + CHEERFUL +
128. + TENSE + EMOTCONT
129. + IF CNT1 GE 1 AND CNT2 GE 3 AND CNT3 GE 2 AND CNT4 GE 4
130. + AND CNT5 GE 4 AND CNT6 GE 3
131. + TOTLCNT = CNT1 + CNT2 + CNT3 + CNT4 + CNT5 + CNT6
132. + IF TOTLCNT > 15 GWB2MN = SUM(NGWB1 TO NGWB18)/TOTLCNT
133. + IF TOTLCNT GT 15 GWB2MNR = GWB2MN*18
134. + IF TOTLCNT = 18 GWB1MN = SUM(NGWB1 TO NGWB18)/18
135. + VARIABLE LABELS
136. + NAME 'WHICH STUDY'
137. + NGWB1 'GOOD SPIRITS'
138. + NGWB2 'NERVOUSNESS'
139. + NGWB3 'FIRM CONTROL EMOTIONS'
140. + NGWB4 'SAD, DISCOURAGED, HOPELESS'
141. + NGWB5 'STRESS, PRESSURE'
142. + NGWB6 'HAPPY SATISFIED WITH LIFE'
143. + NGWB7 'AFRAID LOSING MIND, CONTROL'
144. + NGWB8 'ANXIOUS, WORRIED, UPSET'
145. + NGWB9 'WAKING FRESH, RESTED'
146. + NGWB10 'BOTHERED BY BODILY DISORDERS'
147. + NGWB11 'INTERESTING DAILY LIFE'
148. + NGWB12 'DOWNHEARTED, BLUE'
149. + NGWB13 'SURE OF SELF, STABLE'
150. + NGWB14 'FEELING TIRED, OWRNOUT'
151. + NGWB15 'HEALTH CONCERN, WORRY'
152. + NGWB16 'RELAXED TENSE'
153. + NGWB17 'ENERGY LEVEL'
154. + NGWB18 'DEPRESSED CHEERFUL'

```

E1-E4 SQUAD/PLATOON PERCEPTIONS SURVEY

E1/E4 SQUAD/PLATOON PERCEPTIONS

Please circle the answers that best describe your response to each question.

- | | | | |
|---|----------------------------------|--|-----------------------------|
| (8) How do you like being in this platoon? | (1) Like it | (2) It's alright | (3) Hate it |
| (9) How do you like the guys in your squad? | (1) Tight | (2) They're OK | (3) Hate them |
| (10) Who do you spend time with after duty hours? | (1) Same squad | (2) Same Company but not same squad | (3) Other |
| (11) Is there much mixing of races after duty, or do the blacks tend to hang with black, whites with whites, and so on? | (1) Mixing | (2) It all depends | (3) Blacks with black: etc. |
| (12) Is your squad leader ever included in after duty activities? | (1) Yes | (2) Once in awhile | (3) No |
| (13) Do you like the work you're doing? | (1) Yes, it's what I came in for | (2) No, but or Yes, but | (3) No |
| (14) Who would you go to first if you had a personal problem like being in debt? | (1) Someone in the same Plt | (2) Someone in the same CO or Bn but not in the same plt | (3) Other |
| (15) Is there anyone in your squad you might lend money in an emergency? | (1) Yes | (2) It all depends | (3) No |
| (16) Do the officers in the CO seem to know their stuff? | (1) Yes | (2) Yes, but or No, but | (3) No |
| (17) How often, aside from meetings, does your Plt Sgt talk with you personally? | (1) Often (weekly) | (2) Once in awhile (twice a month) | (3) Never or hardly eve |
| (18) How often aside from meetings, does your Plt leader talk with you personally? | (1) Often (weekly) | (2) Once in awhile (twice a month or so) | (3) Never or hardly eve |
| (19) How often aside from meetings, does the CO talk with you personally? | (1) Twice a month or more | (2) Monthly or so | (3) Never or hardly eve |
| (20) Do the NCOs in the platoon seem to know their stuff? | (1) Yes | (2) Yes, but or No, but | (3) No |

(21) If we went to war tomorrow, (1) Wouldn't (2) Do not know (3) Oche
would you feel confident change
going with this squad or
would you rather go with
another?

```

1.  *;
2.  *;
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19.  *;
20.  *;
21.  *;
22.  *;
23.  *;

      SAVED AS SAS.SCORES(SQUADPER);

      E1/E4 SQUAD/PLATOON PERCEPTIONS;

      ARRAY SQPLTN SQDPLN01-SQDPLN14;
      COUNT3 = 14;
      DO OVER SQPLTN;
        IF SQPLTN < 1 OR SQPLTN > 3
          THEN DO;
            COUNT3 = COUNT3 - 1;
            SQPLTN = .;
          END;
        END;
      DO OVER SQPLTN;
        IF SQPLTN NOT = . THEN
          SQPLTN = 4 - SQPLTN;
        END;
      IF COUNT3 > 10 THEN
        E1E4SCR = (SUM(OF SQDPLN01-SQDPLN14)) /COUNT3;
        ELSE E1E4SCR = .;

```

COMPANY PERCEPTIONS QUESTIONNAIRE

COMPANY PERCEPTIONS QUESTIONNAIRE

Name: _____ Company: _____ Bumper Number: _____

There are five possible answers to each statement. They are:

- 1 Strongly Agree
2 Agree
3 Don't Know
4 Disagree
5 Strongly Disagree

Please circle the number which best shows how you feel about each statement.

1. This company is one of the best in the U. S. Army.

1 2 3 4 5
Strongly Agree Strongly Disagree

2. People in this company already feel very close to each other.

1 2 3 4 5
Strongly Agree Strongly Disagree

3. The officers in this company really seem to know their stuff.

1 2 3 4 5
Strongly Agree Strongly Disagree

4. I think this company would do a better job in combat than most other Army units.

1 2 3 4 5
Strongly Agree Strongly Disagree

5. I trust the men I work with to always try to do a good job.

1 2 3 4 5
Strongly Agree Strongly Disagree

6. The NCOs in this company really seem to know their stuff.

1 2 3 4 5
Strongly Agree Strongly Disagree

7. I really think that I know the people I work with regularly.

1 2 3 4 5
Strongly Agree Strongly Disagree

8. There are too many people in this company who are just out for themselves and don't care about the troops.

1 2 3 4 5
Strongly Agree Strongly Disagree

9. I tend to spend my after duty hours with other people in this company.

1 2 3 4 5
Strongly Agree Strongly Disagree

10. My closest friendships are with the people I work with.

1 2 3 4 5
Strongly Agree Strongly Disagree

11. The officers in this company don't spend enough time with the troops.

1 2 3 4 5
Strongly Agree Strongly Disagree

12. I am impresses by the quality of leadership in this company.

1 2 3 4 5
Strongly Agree Strongly Disagree

13. If I have to go to war, the men I regularly work with are the ones I want with me.

1 2 3 4 5
Strongly Agree Strongly Disagree

14. The NCOs in this company really don't spend enough time with the troops.

1 2 3 4 5
Strongly Agree Strongly Disagree

15. I really like the work I do.

1 2 3 4 5
Strongly Agree Strongly Disagree

16. I think the job this company is supposed to do is one of the most important in the Army.

1 2 3 4 5
Strongly Agree Strongly Disagree

17. There are several people in the Chain of Command in this company
I would go to for help with a personal problem.

1	2	3	4	5
Strongly Agree				Strongly Disagree

18. I have real confidence in our weapons and our ability to use them.

1	2	3	4	5
Strongly Agree				Strongly Disagree

19. I think the level of training in this company is very high.

1	2	3	4	5
Strongly Agree				Strongly Disagree

20. If I have to go into combat, I will have great confidence in my
personal skills and training.

1	2	3	4	5
Strongly Agree				Strongly Disagree

21. Whites and blacks in this company mix after duty hours as well as
at work.

1	2	3	4	5
Strongly Agree				Strongly Disagree

22. Almost all of the people in this company can really be trusted.

1	2	3	4	5
Strongly Agree				Strongly Disagree

23. I really want to spend my entire tour in the Army in this company.

1	2	3	4	5
Strongly Agree				Strongly Disagree

24. My superiors really make an attempt to know me and treat me as a person.

1	2	3	4	5
Strongly Agree				Strongly Disagree

25. I really believe that the people in my company will stand by me
in any difficult situation.

1	2	3	4	5
Strongly Agree				Strongly Disagree

26. I think people in this company will get tighter as time goes on.

1	2	3	4	5
Strongly Agree				Strongly Disagree

27. I really enjoy being a member of this company.

[illegible]

28. This company is a secure place. You don't have to watch your possessions in the company area.

1 2 3 4 5
Strongly Agree Strongly Disagree

29. People really look out for each other in my work group.

Strongly Agree Strongly Disagree

30. I think we are better trained than other companies in the Army.

1 2 3 4 5

Strongly Agree Strongly Disagree

ANNEX B

Items in 1st Cav clusters

cluster number	items in 1st Cav survey	content of cluster
1	25 26 27 28 29 30	weapons
2	34 35 42 43 44 45 46	faith and relations
3	13 14 19 20 21 22 31 32 33 40 41 52	morale and readiness
4	23 24 32 33 34 35 36 37	faith and readiness
5	13 14 15 16 17 18 43 50	morale
6	41 51 52 53 54 55 56 57	confidence, preparedness
7	16 17 18 19 20 21 22 23 24 49	morale and readiness
8	31 R38 R39 40 49 50 51 52	personal preparedness

Note: Two items are reverse scored in cluster 8: items 38 and 39.

```

4.
5.
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*;*;*;*;*;*
COMPANY PERCEPTIONS;
THERE ARE 30 QUESTIONS THAT RANGE IN VALUE FROM 1 TO 5;

ARRAY COMPER COMPER01-COMPER30;
COUNT2 = 30;
DO OVER COMPER;
  IF COMPER < 1 OR COMPER > 5
  THEN DO;
    COUNT2 = COUNT2 - 1;
    COMPER = .;
  END;
END;

IF COMPER08 NOT = . THEN
  COMPER08 = 6 - COMPER08;
IF COMPER11 NOT = . THEN
  COMPER11 = 6 - COMPER11;
IF COMPER14 NOT = . THEN
  COMPER14 = 6 - COMPER14;
IF COUNT2 > 27;
COMSCR = (SUM(OF COMPER01-COMPER30)) /COUNT2;

```

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