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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 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   GWB2MNX = SUM(NGWB1 TO NGWB18)/TOTLCNT
119. IF TOTLCNT GT 15   GWB5CR2 = GWB2MNX*18
120. IF TOTLCNT = 18   CUR1MNX = SUM(NGWB1 TO NGWB18)/18

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COMMENT
COMMENT
COMMENT
RECODE GMB1 TO GMB14 (1=1) (2=2) (3=3) (4=4) (5=5)
RECODE GMB15 TO GMB18 (1=1) (2=2) (3=3) (4=4) (5=5) (6=6)
(7=7) (8=8) (9=9) (10=10) (ELSE=SYSMIS)
+ COMPUTE CNT1 = 2
+ COMPUTE CNT2 = 3
+ COMPUTE CNT3 = 2
+ COMPUTE CNT4 = 4
+ COMPUTE CNT5 = 4
+ COMPUTE CNT6 = 3
+ DO IF NOT(SYSMIS(GMB1))
+ COMPUTE NGWB1 = 6 - GMB1
+ ELSE
+ COMPUTE CNT4 = CNT4 - 1
+ END IF
+ DO IF NOT(SYSMIS(GWB3))
+ COMPUTE NGWB3 = 6 - GWB3
+ ELSE
+ COMPUTE CNT6 = CNT6 - 1
+ END IF
+ DO IF NOT(SYSMIS(GWB6))
+ COMPUTE NGWB6 = 6 - GWB6
+ ELSE
+ COMPUTE CNT3 = CNT3 - 1
+ END IF
+ DO IF NOT(SYSMIS(GWB7))
+ COMPUTE NGWB7 = 6 - GWB7
+ ELSE
+ COMPUTE CNT6 = CNT6 - 1
+ END IF
+ DO IF NOT(SYSMIS(GWB9))
+ COMPUTE NGWB9 = 6 - GWB9
+ ELSE
+ COMPUTE CNT2 = CNT2 - 1
+ END IF
+ DO IF NOT(SYSMIS(GWB11))
+ COMPUTE NGWB11 = 6 - GWB11
+ ELSE
+ COMPUTE CNT3 = CNT3 - 1
+ END IF
+ DO IF NOT(SYSMIS(GWB13))
+ COMPUTE NGWB13 = 6 - GWB13
+ ELSE
+ COMPUTE CNT6 = CNT6 - 1
+ END IF
+ DO IF NOT(SYSMIS(GWB2))
+ COMPUTE NGWB2 = GWB2 - 1
+ ELSE
+ COMPUTE CNT5 = CNT5 - 1
+ END IF
+ DO IF NOT(SYSMIS(GWB4))
+ COMPUTE NGWB4 = GWB4 - 1
+ ELSE
+ COMPUTE CNT4 = CNT4 - 1

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 talk 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

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 press
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	<input type="checkbox"/> (51)
(52) My squad's or aircraft's training has prepared us to work together in this exercise.	1	2	3	4	5	<input type="checkbox"/> (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	<input type="checkbox"/> (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	<input type="checkbox"/> (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	<input type="checkbox"/> (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	<input type="checkbox"/> (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	<input type="checkbox"/> (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 | <input type="checkbox"/> (42) |
| (43) Your Company | 1 | 2 | 3 | 4 | 5 | <input type="checkbox"/> (43) |
| (44) Your Battalion | 1 | 2 | 3 | 4 | 5 | <input type="checkbox"/> (44) |
| (45) Your Brigade | 1 | 2 | 3 | 4 | 5 | <input type="checkbox"/> (45) |
| (46) The Division | 1 | 2 | 3 | 4 | 5 | <input type="checkbox"/> (46) |
| (47) How often do you worry about what might happen to you, if and when your unit goes into combat? | | | | | | <input type="checkbox"/> (47) |
| 1. Always | | | | 4. Hardly Ever | | |
| 2. Often | | | | 5. Never | | |
| 3. Occasionally | | | | | | |
| (48) How often do your friends in the squad or aircraft crew talk to each other about these worries? | | | | | | <input type="checkbox"/> (48) |
| 1. Always | | | | 4. Hardly Ever | | |
| 2. Often | | | | 5. Never | | |
| 3. Occasionally | | | | | | |
| (49) How important are you to the success of the 1st CAV Division? | | | | | | <input type="checkbox"/> (49) |
| 1. Not Important at all | | | | 4. Important | | |
| 2. Slightly Important | | | | 5. Very Important | | |
| 3. Somewhat Important | | | | | | |
| (50) How good is your own spirit or morale right now? | | | | | | <input type="checkbox"/> (50) |
| 1. Poor | | | | 4. Good | | |
| 2. Not so Good | | | | 5. Very Good | | |
| 3. Fair | | | | | | |

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 friends readiness to fight, and when it is necessary?	1	2	3	4	5	<input type="checkbox"/> (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	<input type="checkbox"/> (32)
33) Platoon Leader	1	2	3	4	5	<input type="checkbox"/> (33)
34) Company CO	1	2	3	4	5	<input type="checkbox"/> (34)
35) Battalion CO	1	2	3	4	5	<input type="checkbox"/> (35)
36) Brigade CO	1	2	3	4	5	<input type="checkbox"/> (36)
37) Division CO	1	2	3	4	5	<input type="checkbox"/> (37)

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

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	

(38)

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

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

(39)

	<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	<input type="checkbox"/> (40)
41) How would you rate your squad's or aircraft crew's togetherness or closeness as a team?	1	2	3	4	5	<input type="checkbox"/> (41)

WEST 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	<input type="checkbox"/> (17)
8) The Division	1	2	3	4	5	<input type="checkbox"/> (18)

How would you describe your units' readiness for combat?

9) Your Squad or Air Craft Crew	1	2	3	4	5	<input type="checkbox"/> (19)
10) Your Platoon	1	2	3	4	5	<input type="checkbox"/> (20)
11) Your Company	1	2	3	4	5	<input type="checkbox"/> (21)
12) Your Battalion	1	2	3	4	5	<input type="checkbox"/> (22)
13) Your Brigade	1	2	3	4	5	<input type="checkbox"/> (23)
14) The Division	1	2	3	4	5	<input type="checkbox"/> (24)

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

15) Your Squad's or Aircraft's	1	2	3	4	5	<input type="checkbox"/> (25)
16) Your Platoon's	1	2	3	4	5	<input type="checkbox"/> (26)
17) Your Company's	1	2	3	4	5	<input type="checkbox"/> (27)
18) Your Battalion's	1	2	3	4	5	<input type="checkbox"/> (28)
19) Your Brigade's	1	2	3	4	5	<input type="checkbox"/> (29)
20) The Division's	1	2	3	4	5	<input type="checkbox"/> (30)

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!

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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 GWB2MNX18
134. IF TOTLCNT = 18 GWB1MN = SUM(NGWB1 TO NGWB18)/18
135. VARIABLE LABELS

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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'

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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) Othe
would you feel confident change
going with this squad or
would you rather go with
another?

COMPANY PERCEPTIONS QUESTIONNAIRE

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.

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