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14. ABSTRACT A better understanding of the nature of chronic pain after combat related TBI is of central importance in the treatment of warfighters who suffer from this condition. The broad objective of this work is to characterize the neural networks involved in post-traumatic pain using functional MRI both in the resting state and during activation with a moderately painful stimulus. The hypothesis is that the patterns of activation under both conditions are abnormal and similar to those in other chronic pain states such as migraine and fibromyalgia when controlled for co-morbid insomnia, depression and PTSD. The study groups to be compared for this work include patients with chronic migraine, fibromyalgia, post-traumatic pain post mTBI, asymptomatic individuals post mTBI, and normal controls. Resting state network characteristics will be determined by MRI at rest and contrasted to the pattern of activation during a visual attention task. Next, a calibrated degree of moderate pressure will be applied to the left thumb. Resting state fMRI data will be					
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INTRODUCTION: The study was a prospective study designed to characterize pain pathway activation in the brains of mild traumatic brain injury patients with chronic pain, and to compare with other demographically-matched individuals with and without chronic pain disorders. The specific study groups to be compared for this work included patients with chronic migraine, fibromyalgia, post-traumatic pain post mTBI, asymptomatic individuals post mTBI, and normal controls. The understanding of the neurobiology of chronic pain and mTBI used magnetic resonance imaging (MRI) methods to quantify the structural changes and functional activation patterns at rest and during *task* performance associated with chronic pain in TBI. A major emphasis of our study was to understand the connectivity of regions associated with chronic pain.

Structural imaging metrics involve high resolution MRI for grey matter analyses and DTI to assess white matter connectivity. Resting state fMRI is used to develop a neural network model of functional connectivity within regions of interest (those known to be part of the classic pain matrix and the so called “default” mode, a network that regulated higher cortical processing). The broad objective of this work was to gain a better understanding of the pattern of resting state connectivity in chronic pain and use these data to differentiate chronic pain in TBI from normal and other pain states. The goal was to use task fMRI to assess the regions activated during pain stimulation in each subject group and to then conduct effective connectivity analysis that will allow us to probe which connections are modulating others in the pain pathway of individuals who suffer from chronic headache and somatic pain after mTBI using non-invasive brain imaging methods. Imaging data was to be correlated with behavioral data and be used to understand the neural networks involved in chronic pain in the experimental group when controlling for comorbid PTSD, life stress, depression and insomnia. The intent was to more fully characterize the nature of pain pathway abnormalities and use this information to develop measures that assist in differential diagnosis of pain syndromes and to provide a metric of treatment responsiveness to predict treatment outcomes.

BODY:

The approved statement of work outlined the tasks to be completed:

Task 1 (months 1-6): Characterize resting state and mild pain stimulated neural networks in previously identified individuals with chronic pain. Two subtasks were identified, that included:

- 1) Enrollment of 150 participants from five experimental groups: chronic pain following mild traumatic brain injury (mTBI), those with fibromyalgia, chronic migraine without aura, asymptomatic individuals after mTBI, and in normal controls, and
- 2) MRI scanning and completion of the behavioral measures on all enrolled participants

Task 2 (months 18-21): Data analysis to include DTI, resting state network and fMRI analysis, and functional/structural imaging correlation.

Task 3 (months 21-24): Generate final report and publish results.

To complete subtasks two and three, following approvals and MRI sequence refinement, a phased recruitment strategy was implemented in September 2011.

To date, six control participants, seven fibromyalgia patients, three migraine with aura, and two mild TBI patients with chronic pain completed the study in its entirety. One control patient scan was incomplete due to an expected power failure during scanning, and another control patient withdrew from the study after consenting. One control subject was not able to be scheduled for imaging due to work conflicts.



Figure 2. MRI scanner used for this study

Preliminary fMRI results from normal controls and from fibromyalgia subjects showed consistent to good activations in response to the moderately painful stimulus in all of the regions of the pain network (i.e. primary and secondary somatosensory regions, insula, cingulate, primary motor regions, thalamus and cerebellum). In the same subjects, fMRI during mental tasking has also shown consistent activation. Further post-imaging analysis of the remaining fMRI subjects and DTI and resting state data for all subjects were not completed.

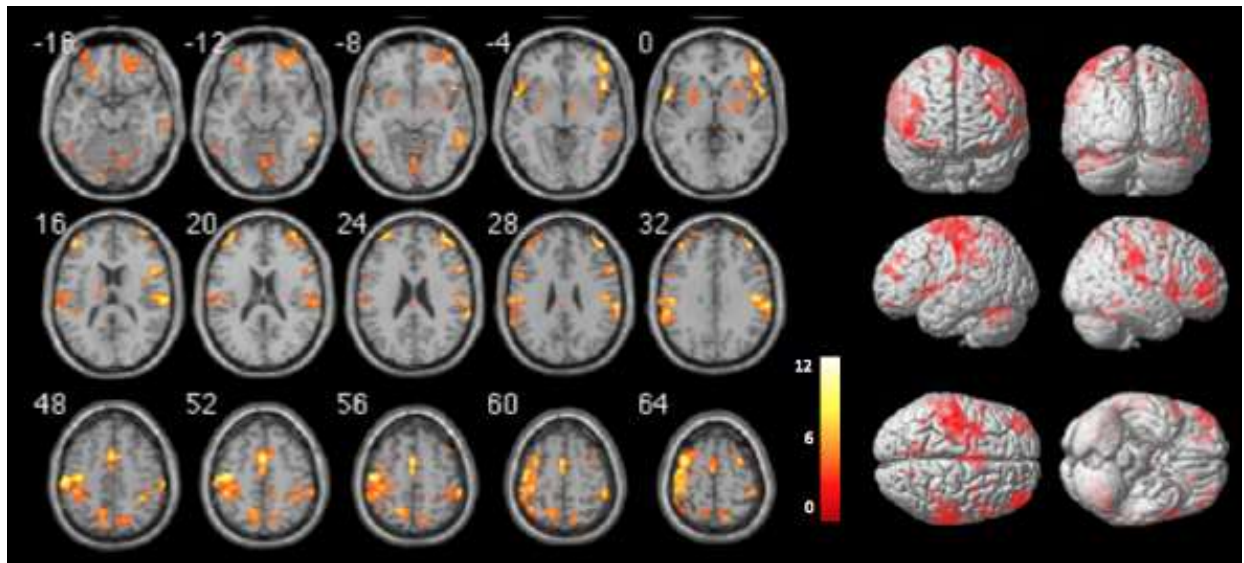


Figure 3. BOLD response for a single subject (migraine with aura patient). Activations shown are a result of the pain condition versus rest contrast and identify regions of the pain network. Transverse slices are shown on the left and a 3D rendered image is shown on the right.

Recruitment proved to be the major obstacle in the study. First, the overall population of mTBI patients available to be enrolled in the clinic remains low; most were still recruited primarily into the SCORE! (Study of Cognitive Rehabilitation Effectiveness for mild traumatic brain injury) and its associated MRI intensive counterpart iSCORE study at the San Antonio Military Medical Center (SAMMC) through the TBI Service and the DVBIC Service (Defense Veterans Brain Injury Consortium), providing a significantly reduced pool of available subjects.

The logistics of scanning subjects at a separate nonmilitary institution was daunting to some subjects. Third, there were constant personnel changes at UTHSCSA (University of Texas Health Science Center at San Antonio) to facilitate operations between SAMMC and the Research Imaging Center at UTHSCSA. In projecting for another no-cost extension beyond January 2014, there would not be enough TBI subjects to be recruited to be able to power the study sufficiently to compare to normal and fibromyalgia subjects.

KEY RESEARCH ACCOMPLISHMENTS:

- Successful development of an experimental paradigm to support this study, and future studies of chronic pain in active duty servicemembers, veterans, and civilians.

- Analysis strategy were fully developed and initial imaging data was excellent (e.g., Figure above fMRI results).

REPORTABLE OUTCOMES:

Interpretation of the raw imaging data showed resting state and pain activation data was best achieved as expected in subjects with chronic pain conditions. Activation in subjects with fibromyalgia was the most robust, followed by the subjects with chronic pain in TBI. Normal control subjects and those with migraine headaches had less robust activation patterns overall; the small study size limits the results to a general impression only and is not powered to a degree to make any definitive conclusions.

Raw data from subject pain and coping questionnaires is attached. The subject number is too low to make any generalized conclusions. It is worth noting subjects were able to answer these questionnaires quickly (average time to completion was 30 minutes) despite the large number of forms. A concern expressed by the Air Force JAG/Wilford Hall IRB regarding the safety and possible self-incrimination the surveys posed was not expressed by any subject.

Publications:

Lewis, JD, Wassermann EM, Chao W, Ramage AE, Robin DA, Clauw DJ, *Central Sensitization as a Component of Post-Deployment Syndrome*. *NeuroRehabilitation* 31(2012): 367-372.

Presentations:

Robin DA, Lewis JD “Understanding the Mechanisms of Action of Chronic Pain in Warfighters with Mild Traumatic Brain Injury: Non-invasive Imaging Approaches”, Presented at 3rd Federal Interagency TBI Meeting, June 2011.

Robin, DA, Parkinson, A, Manes J. Using quantitative meta-analytic techniques to understand the neural substrates of pain and chronic pain syndromes with VBM and fMRI data. Presented at University of Michigan Center for Chronic Pain and Fatigue. July 2011.

Robin, DA Using brain imaging to understand chronic pain and fatigue. Presented to Neuroscience Grand Rounds, UTHSCSA, September 2011.

CONCLUSION:

Despite a good hypothesis and sound initial proof of concept, slow subject recruitment limited adequate data acquisition to complete the study. There is continued acknowledgement of chronic pain following mTBI and deployment in active duty service

members and veterans [2]. This study, despite its limitations, remains could be continued, perhaps at another venue in the future to contribute to an understanding of the changes in the brain that perpetuate pain in this population and other chronic pain conditions. In addition, the study still offers a platform for which to build clinical trials with an objective endpoint measure (fMRI activation to a painful stimulus), relevant to postconcussive symptoms.

REFERENCES:

1. Gracely, R.H., et al., *Functional magnetic resonance imaging evidence of augmented pain processing in fibromyalgia*. *Arthritis Rheum*, 2002. **46**(5): p. 1333-43.
2. Lew, H.L., et al., *Prevalence of chronic pain, posttraumatic stress disorder, and persistent postconcussive symptoms in OIF/OEF veterans: polytrauma clinical triad*. *J Rehabil Res Dev*, 2009. **46**(6): p. 697-702.

APPENDICES:

Chronic pain behavioral questions

Subject Grouping and Demographic data

Items	Description	Scale
GROUP	patient group/primary diagnosis	0=healthy control; 1=fibromyalgia; 2=migraine; 3=TBI-chronic pain; 4=TBI+chronic pain
HC	healthy control	0 OR 1
FIBRO	Diagnosis of fibromyalgia	0 OR 1
MIG	Diagnosis of migraine	0 OR 1
TBI	Diagnosis of TBI	0 OR 1
CPTbi	Diagnosis of chronic pain resulting from TBI	0 OR 1
PTSD	Diagnosis of PTSD	0 OR 1
SEX	sex [SEX]	0=male; 1=female
AGE	Age [AGE]	years
RACE	self-reported race [RACE]	
ETHN	self-reported ethnicity [ETHN]	
HAND	self-reported handedness [HAND]	0= Right; 1= Left
MAR	current marital status [MAR]	0=single; 1=married

Subj.ID	GROUP	HC	FIBRO	MIG	TBI	CPTbi	PTSD	SEX	AGE	RACE	ETHN	HAND	MAR
cp001		0	1	0	0	0	0	0	0	35		0	1
cp002		0	1	0	0	0	0	0	0				
cp003		1	0	1	1	0	0	0	1				
cp004		2	0	0	1	0	0	1	0				
cp005		0	1	0	0	0	0	0	1				
cp006		0	1	0	0	0	0	0	0				
cp007		4	0	0	0	1	1	0	0				
cp008		1	0	1	0	0	0	0	1				
cp009		1	0	1	0	0	0	0	1				
cp011		1	0	1	1	0	0	1	1	33		0	0
cp012		0	1	0	0	0	0	0	0				
cp013		0	1	0	0	0	0	0	0				
cp014		1	0	1	0	0	0	1	1				1
cp015		2	0	0	1	0	0	0	1				
cp017		1	0	1	0	0	0	0	0				
cp018		1	0	1	0	0	0	1	0				
cp019		0	1	0	0	0	0	0	0				
cp020		2	0	0	1	0	0	0	1				

Results BPI Short Form

BPI	QUESTION GROUP: Brief Pain Inventory (Short Form)	0=No Pain; 10="Pain as bad as you can Imagine"
BPI1	Experiencing other than everyday pain?	0-10
BPI2	Shaded pain areas; X on most painful areas	Graphic Display
BPI3	Worst pain experienced in past 24hrs	0-10
BPI4	Least pain experienced in past 24hrs	0-10
BPI5	Day-to-day pain (i.e. average)	0-10
BPI6	Pain right now	0-10
BPI7	What treatments	Open response
BPI8	Percent reducing in pain attributable to medication	0-100 Percent (10% increments)
BPI9aGA	Degree pain interferes with: General Activity [GA]	0-10
BPI9bM	Degree pain interferes with: Mood[M]	0-10
BPI9cWA	Degree pain interferes with: Walking Ability [WA]	0-10
BPI9dNW	Degree pain interferes with: Normal Work [NW]	0-10
BPI9eR	Degree pain interferes with: Relationships [R]	0-10
BPI9fS	Degree pain interferes with: Sleep [S]	0-10
BPI9gE	Degree pain interferes with: Enjoyment [E]	0-10

Subj.ID	BPI1	BPI2	BPI3	BPI4	BPI5	BPI6	BPI7	BPI8
cp001	1		0	0	2	0		100
cp002	2		0	0	0	0		0
cp003	1		6	3	4	5		80
cp004	1		6	4	4	5		20
cp005	2		0	0	0	0		0
cp006	2		0	0	0	0		
cp007	1		3	1	2	2		50
cp008	1		6	3	7	6		10
cp009	1		10	10	8	10		0
cp011	2		6	3	6	4		0
cp012	2		0	0	0	0		
cp013	2		0	0	0	0		
cp014	1		10	7	7	7		30
cp015	1		3	1	3	3		30
cp017	1		6	2	4	3		20
cp018	1		5	2	4	3		40
cp019	2		0	0	0	0		
cp020	1		4	0	1	2		70
Subj.ID	BPI9aGA	BPI9bM	BPI9cWA	BPI9dNW	BPI9eR	BPI9fS	BPI9gE	
cp001	0	0	0	0	0	0	0	
cp002	0	0	0	0	0	0	0	
cp003	7	8	7	9	8	8	7	
cp004	5	7	6	5	7	8	8	
cp005	0	0	0	0	0	0	0	
cp006	0	0	0	0	0	0	0	
cp007	2	5	2	6	3	4	3	
cp008	5	3	5	5	2	6	3	
cp009	10	10	9	10	9	9	10	
cp011	6	3	7	6	3	4	3	
cp012	0	0	0	0	0	0	0	
cp013	0	0	0	0	0	0	0	
cp014	7	7	10	10	7	10	7	
cp015	2	3	0	2	0	1	2	
cp017	6	7	4	5	5	8	6	
cp018	6	6	6	5	6	6	7	
cp019	0	0	0	0	0	0	0	
cp020	2	1	1	1	1	4	1	

Results of CES-D Question Group

CESD	QUESTION GROUP: CES-D	0= Rarely; 1= Some; 2= Occasionally; 3= Most or all
CESD01	Bothered by things that don't usually bother	0-3
CESD02	Poor appetite	0-3
CESD03	Friends or family do not help my "blues"	0-3
CESD04	I feel I was just as good as others	0-3 Negatively Keyed
CESD05	Trouble staying focused	0-3
CESD06	I feel depressed	0-3
CESD07	Every task was an effort	0-3
CESD08	Hopeful about future	0-3 Negatively Keyed
CESD09	Thought my life was a failure	0-3
CESD10	Fearful	0-3
CESD11	Restless sleep	0-3
CESD12	Happy	0-3 Negatively Keyed
CESD13	Quieter than usually	0-3
CESD14	Lonely	0-3
CESD15	Felt others were unfriendly	0-3
CESD16	I enjoyed life	0-3 Negatively Keyed
CESD17	Crying spells	0-3
CESD18	Sad	0-3
CESD19	People dislike me	0-3
CESD20	Trouble building momentum	0-3
CESD.TOT	depression (CES-D) score total	Sum of items

Subj.ID	CESD01	CESD02	CESD03	CESD04	CESD05	CESD06	CESD07	CESD08
cp001	0	0	0	3	0	0	0	1
cp002	0	0	0	3	0	0	0	3
cp003	2	3	3	0	3	2	2	3
cp004	2	2	3	2	3	3	2	1
cp005	0	0	0	2	0	0	0	3
cp006	0	0	0	0	0	0	0	3
cp007	0	1	0	2	1	0	1	3
cp008	1	0	0	2	2	0	1	3
cp009	2	3	2	0	3	3	3	1
cp011	1	0	0	3	1	0	1	3
cp012	0	0	0	3	2	0	0	2
cp013	0	0	0	0	0	0	0	0
cp014	3	0	3	0	3	3		3
cp015	1	1	0	0	0	0	1	0
cp017	2	1	0	0	1	0	1	0
cp018	2	1	1	0	1	1	2	1
cp019	0	0	0	0	0	0	0	0
cp020	0	1	0	0	0	0	0	0

Subj.ID	CESD09	CESD10	CESD11	CESD12	CESD13	CESD14	CESD15	CESD16
cp001	0	0	0	3	1	0	0	3
cp002	0	0	0	3	0	0	0	3
cp003	0	0	2	1	2	2	0	1
cp004	1	2	3	1	1	1	1	1
cp005	0	1	0	3	0	0	2	3
cp006	0	0	0	3	0	0	0	3
cp007	0	0	1	2	0	0	0	2
cp008	0	0	2	3	0	0	0	3
cp009	3	2	3	1	2	3	2	1
cp011	0	0	2	3	1	0	0	3
cp012	0	0	0	3	0	0	0	3
cp013	0	0	0	0	0	0	0	0
cp014	0	0	0	1	3	0	0	0
cp015	0	0	1	1	0	0	0	0
cp017	0	2	3	2	0	2	0	1
cp018	0	0	2	1	2	3	1	1
cp019	0	0	2	0	0	0	0	0
cp020	0	0	1	0	0	0	0	0

Subj.ID	CESD17	CESD18	CESD19	CESD20	CESD*
cp001	0	0	0	0	11
cp002	0	0	0	0	12
cp003	2	1	0	3	32
cp004	1	1	1	2	34
cp005	0	0	1	0	15
cp006	0	0	0	0	9
cp007	0	0	0	1	14
cp008	0	0	0	1	18
cp009	0	3	2	3	42
cp011	2	2	0	1	23
cp012	0	0	0	0	13
cp013	0	0	0	0	0
cp014	0	2	0	2	23
cp015	0	1	0	0	6
cp017	0	2	0	2	19
cp018	0	2	0	1	22
cp019	0	0	0	0	2
cp020	0	0	0	0	2

Results of CSQ Question Group

CSQ	QUESTION GROUP: CSQ	0= Never; 6= Always
CSQ1	Try to feel distant from pain	0-6
CSQ2	Leave house	0-6
CSQ3	Think of something pleasant	0-6
CSQ4	Reappraise as "dull or warm" feeling	0-6
CSQ5	Terrible and incurable	0-6
CSQ6	Tell themselves to be "brave and carry on"	0-6
CSQ7	Read	0-6
CSQ8	Reassure themselves they can overcome	0-6
CSQ9	Medicate	0-6
CSQ10	Mentally distract	0-6
CSQ11	Imagine other sensations	0-6
CSQ12	Feel awful and overwhelmed	0-6
CSQ13	Play mental games	0-6
CSQ14	Feel life isn't worth living	0-6
CSQ15	Someday someone will help me and "it will go away"	0-6
CSQ16	Go walking	0-6
CSQ17	I try to separate myself from my body	0-6
CSQ18	I relax	0-6
CSQ19	Don't think about the pain	0-6
CSQ20	Imagine a future without the pain	0-6
CSQ21	Convince myself that the pain isn't there	0-6
CSQ22	Motivate myself to act through the pain	0-6
CSQ23	Ignore the pain	0-6
CSQ24	Faith in doctor's ability to eventually cure the pain	0-6
CSQ25	I can handle the pain	0-6
CSQ26	Pretext it's not there	0-6
CSQ27	Worry whether it will end	0-6
CSQ28	Lie down	0-6
CSQ29	Replay pleasant experiences from the past	0-6
CSQ30	Think of others I have enjoyable experiences with	0-6
CSQ31	Take a shower	0-6
CSQ32	Imagine the pain is outside my body	0-6
CSQ33	Go on as if nothing happened	0-6
CSQ34	See is as a challenge to overcome	0-6
CSQ35	I persevere	0-6
CSQ36	I feel I can't stand it	0-6

CSQ37	Try to be around others	0-6
CSQ38	Ignore it	0-6
CSQ39	Feel I can't go on	0-6
CSQ40	Think of enjoyable "things"	0-6
CSQ41	Do anything to distract myself	0-6
CSQ42	Watch TV or listen to music	0-6
CSQ43	Pretend it's not a part of me	0-6
CSQ44	Do something active	0-6
CSQ45	Use heating pads	0-6
CSQP ost1	Day-to-day control	0-6
CSQP ost2	Day-to-day ability to decrease pain	0-6
CSQ. DivtAttn	CSQ - diverting attention	3+10+13+29+30+40
CSQ. ReintPain	CSQ - reinterpreting pain sensations	1+4+11+17+32+43
CSQ. Cata	CSQ - catastrophising	6+8+22+25+34+35
CSQ. Ignore	CSQ - ignoring sensations	19+21+23+26+33+38
CSQ. Hope	CSQ - praying or hoping	15+20+24
CSQ. CopeSta te	CSQ - coping self-statements	5+12+14+27+36+39
CSQ. Behav	CSQ - increased behavioral activities	2+7+37+41+42+44
CSQ. Tot	CSQ - total score CSQ1 to CSQ6	Sum of items

Subj.ID	CSQ1	CSQ2	CSQ3	CSQ4	CSQ5	CSQ6	CSQ7	CSQ8	CSQ9	CSQ10
cp001	0	0	3	0	3	4	0	4	3	0
cp002	6	3	0	2	0	0	0	6	1	0
cp003	0	1	3	0	0	4	0	6	6	0
cp004	3	0	1	0	5	5	2	3	5	4
cp005	0	3	3	0	0	3	0	3	3	0
cp006	0	0	0	0	0	0	0	0	0	0
cp007	0	0	0	0	0	0	0	3	6	0
cp008	0	3	4	0	3	3	3	4	3	1
cp009	5	0	2	2	6	3	3	4	6	3
cp011	3	6	6	2	2	5	5	6	6	0
cp012	2	0	3	0	4	4	0	3	5	0
cp013	2	3	3	2	0	5	1	5	2	1
cp014	0	0	0	0	0	0	0	0	0	0
cp015	0	2	5	3	3	5	0	5	4	3
cp017	5	2	4	0	1	6	4	5	3	0
cp018	4	0	5	0	3	6	2	4	2	0
cp019	0	0	0	0	0	0	0	0	0	0
cp020	0	0	3	3	0	6	3	6	6	0

Subj.ID	CSQ11	CSQ12	CSQ13	CSQ14	CSQ15	CSQ16	CSQ17	CSQ18	CSQ19	CSQ20
cp001	0	0	4	0	0	0	0	6	5	0
cp002	0	0	0	0	0	0	6	6	6	0
cp003	0	1	4	0	0	3	0	5	5	0
cp004	0	2	3	0	2	0	1	2	2	5
cp005	0	0	0	0	3	3	0	6	3	0
cp006	0	0	0	0	0	0	0	0	0	0
cp007	0	0	0	0	0	0	0	4	6	0
cp008	0	3	3	0	0	2	0	5	3	5
cp009	2	6	3	4	6	4	4	1	2	3
cp011	0	2	3	0	6	6	3	6	3	6
cp012	0	3	0	0	3	0	0	0	2	0
cp013	2	0	4	0	2	1	2	4	4	1
cp014	0	0	0	0	0	0	0	3	3	0
cp015	0	3	0	0	1	0	0	6	4	0
cp017	0	1	5	0	0	4	0	3	3	0
cp018	0	3	4	0	0	3	4	5	3	1
cp019	0	0	0	0	0	0	0	6	0	0
cp020	0	0	0	0	0	0	0	6	3	0

Subj.ID	CSQ21	CSQ22	CSQ23	CSQ24	CSQ25	CSQ26	CSQ27	CSQ28	CSQ29	CSQ30
cp001	3	5	3	3	3	3	0	0	0	3
cp002	2	6	6	0	6	6	0	0	0	0
cp003	2	4	3	1	5	1	0	5	0	0
cp004	3	2	0	2	3	3	3	3	4	3
cp005	0	2	3	3	6	0	0	3	0	1
cp006	0	0	0	0	0	0	0	0	0	0
cp007	1	5	3	0	6	2	0	3	0	0
cp008	2	4	3	1	6	3	1	5	4	4
cp009	5	4	3	5	3	1	2	5	5	4
cp011	3	3	2	6	5	0	2	6	6	6
cp012	3	4	1	3	4	0	4	3	0	1
cp013	4	4	4	0	6	4	0	3	2	2
cp014	0	0	0	0	0	0	0	5	0	0
cp015	2	2	0	3	3	0	0	5	0	0
cp017	1	6	4	2	4	3	0	4	0	0
cp018	3	4	0	5	6	2	6	6	0	1
cp019	0	0	0	0	3	0	0	6	0	0
cp020	0	3	6	3	6	0	0	3	0	0

Subj.ID	CSQ31	CSQ32	CSQ33	CSQ34	CSQ35	CSQ36	CSQ37	CSQ38	CSQ39	CSQ40
cp001	0	0	3	2	3	0	4	3	0	4
cp002	0	6	6	3	6	0	0	6	0	0
cp003	3	0	1	2	3	0	3	3	0	3
cp004	6	2	4	2	4	3	0	0	1	1
cp005	5	0	6	6	6	0	6	3	0	2
cp006	0	0	0	0	0	0	0	0	0	0
cp007	0	0	3	3	4	0	0	3	0	0
cp008	4	0	2	3	6	1	4	3	0	4
cp009	6	0	5	1	1	5	0	5	6	3
cp011	6	2	3	3	3	3	4	2	0	6
cp012	0	0	2	0	4	0	3	0	2	0
cp013	3	2	4	4	4	0	3	4	0	3
cp014	5	0	0	0	6	3	0	0	0	0
cp015	2	0	3	2	5	1	3	1	0	2
cp017	3	0	3	4	6	0	1	3	0	4
cp018	5	3	6	1	6	0	0	2	0	3
cp019	6	0	0	0	0	0	0	0	0	0
cp020	0	0	3	3	6	0	3	3	0	0

Subj.ID	CSQ41	CSQ42	CSQ43	CSQ44	CSQ45	CSQPost1	CSQPost2
cp001	6	6	0	6	6	4	3
cp002	0	0	6	0	0	5	5
cp003	4	5	0	2	3	3	3
cp004	3	3	1	1	2	3	3
cp005	3	6	0	3	3	3	3
cp006	0	0	0	0	0	6	6
cp007	2	0	0	0	0	3	4
cp008	3	6	0	4	3	4	3
cp009	3	5	2	2	0	0	1
cp011	6	6	2	6	6	5	3
cp012	5	4	0	4	0	2	4
cp013	3	3	2	3	0	6	6
cp014	0	3	0	0	0	3	2
cp015	5	5	0	3	0	3	3
cp017	4	4	0	4	1	3	3
cp018	2	3	2	1	0	3	2
cp019	0	6	0	0	0	4	3
cp020	3	6	0	0	3	3	3

Subj.ID	CSQ.DivtAttn	CSQ.ReintPai	CSQ.CopeSta	CSQ.Ignore*	CSQ.Hope*	CSQ.Cat*	CSQ.Behav*	CSQ*
cp001	14	0	21	20	3	3	22	83
cp002	0	26	27	32	0	0	3	88
cp003	10	0	24	15	1	1	15	66
cp004	16	7	19	12	9	14	9	86
cp005	6	0	26	15	6	0	21	74
cp006	0	0	0	0	0	0	0	0
cp007	0	0	21	18	0	0	2	41
cp008	20	0	26	16	6	8	23	99
cp009	20	15	16	21	14	29	13	128
cp011	27	12	25	13	18	9	33	137
cp012	4	2	19	8	6	13	16	68
cp013	15	12	28	24	3	0	16	98
cp014	0	0	6	3	0	3	3	15
cp015	10	3	22	10	4	7	18	74
cp017	13	5	31	17	2	2	19	89
cp018	13	13	27	16	6	12	8	95
cp019	0	0	3	0	0	0	6	9
cp020	3	3	30	15	3	0	15	69

Results of LEC Question Group

LEC	QUESTION GROUP: LEC	H= Happened to me; W= Witnessed; L= Learned about; N= Not sure; D= Doesn't apply
LEC1H	Natural Disaster	0 OR 1
LEC1W	Natural Disaster	0 OR 1
LEC1L	Natural Disaster	0 OR 1
LEC1N	Natural Disaster	0 OR 1
LEC1D	Natural Disaster	0 OR 1
LEC2H	Fire or explosion	0 OR 1
LEC2W	Fire or explosion	0 OR 1
LEC2L	Fire or explosion	0 OR 1
LEC2N	Fire or explosion	0 OR 1
LEC2D	Fire or explosion	0 OR 1
LEC3H	Transportation accident	0 OR 1
LEC3W	Transportation accident	0 OR 1
LEC3L	Transportation accident	0 OR 1
LEC3N	Transportation accident	0 OR 1
LEC3D	Transportation accident	0 OR 1
LEC4H	Serious accident at work, home, or during recreational activity	0 OR 1
LEC4W	Serious accident at work, home, or during recreational activity	0 OR 1
LEC4L	Serious accident at work, home, or during recreational activity	0 OR 1
LEC4N	Serious accident at work, home, or during recreational activity	0 OR 1
LEC4D	Serious accident at work, home, or during recreational activity	0 OR 1
LEC5H	Exposure to toxic substance	0 OR 1
LEC5W	Exposure to toxic substance	0 OR 1
LEC5L	Exposure to toxic substance	0 OR 1
LEC5N	Exposure to toxic substance	0 OR 1
LEC5D	Exposure to toxic substance	0 OR 1
LEC6H	Physical assault	0 OR 1
LEC6W	Physical assault	0 OR 1
LEC6L	Physical assault	0 OR 1
LEC6N	Physical assault	0 OR 1
LEC6D	Physical assault	0 OR 1
LEC7H	Assault with weapon	0 OR 1
LEC7W	Assault with weapon	0 OR 1
LEC7L	Assault with weapon	0 OR 1
LEC7N	Assault with weapon	0 OR 1

LEC7D	Assault with weapon	0 OR 1
LEC8H	Sexual assault	0 OR 1
LEC8W	Sexual assault	0 OR 1
LEC8L	Sexual assault	0 OR 1
LEC8N	Sexual assault	0 OR 1
LEC8D	Sexual assault	0 OR 1
LEC9H	Unwanted or uncomfortable sexual experience	0 OR 1
LEC9W	Unwanted or uncomfortable sexual experience	0 OR 1
LEC9L	Unwanted or uncomfortable sexual experience	0 OR 1
LEC9N	Unwanted or uncomfortable sexual experience	0 OR 1
LEC9D	Unwanted or uncomfortable sexual experience	0 OR 1
LEC10H	Combat or exposure to a war-zone (civilian or military)	0 OR 1
LEC10W	Combat or exposure to a war-zone (civilian or military)	0 OR 1
LEC10L	Combat or exposure to a war-zone (civilian or military)	0 OR 1
LEC10N	Combat or exposure to a war-zone (civilian or military)	0 OR 1
LEC10D	Combat or exposure to a war-zone (civilian or military)	0 OR 1
LEC11H	Captivity	0 OR 1
LEC11W	Captivity	0 OR 1
LEC11L	Captivity	0 OR 1
LEC11N	Captivity	0 OR 1
LEC11D	Captivity	0 OR 1
LEC12H	Life-threatening illness or injury	0 OR 1
LEC12W	Life-threatening illness or injury	0 OR 1
LEC12L	Life-threatening illness or injury	0 OR 1
LEC12N	Life-threatening illness or injury	0 OR 1
LEC12D	Life-threatening illness or injury	0 OR 1
LEC13H	Severe human suffering	0 OR 1
LEC13W	Severe human suffering	0 OR 1
LEC13L	Severe human suffering	0 OR 1
LEC13N	Severe human suffering	0 OR 1
LEC13D	Severe human suffering	0 OR 1
LEC14H	Sudden, violent death	0 OR 1
LEC14W	Sudden, violent death	0 OR 1

LEC14L	Sudden, violent death	0 OR 1
LEC14N	Sudden, violent death	0 OR 1
LEC14D	Sudden, violent death	0 OR 1
LEC15H	Sudden, unexpected death of someone close	0 OR 1
LEC15W	Sudden, unexpected death of someone close	0 OR 1
LEC15L	Sudden, unexpected death of someone close	0 OR 1
LEC15N	Sudden, unexpected death of someone close	0 OR 1
LEC15D	Sudden, unexpected death of someone close	0 OR 1
LEC16H	Serious injury, harm, or death you caused	0 OR 1
LEC16W	Serious injury, harm, or death you caused	0 OR 1
LEC16L	Serious injury, harm, or death you caused	0 OR 1
LEC16N	Serious injury, harm, or death you caused	0 OR 1
LEC16D	Serious injury, harm, or death you caused	0 OR 1
LEC17H	Any other very stressful events or experiences	0 OR 1
LEC17W	Any other very stressful events or experiences	0 OR 1
LEC17L	Any other very stressful events or experiences	0 OR 1
LEC17N	Any other very stressful events or experiences	0 OR 1
LEC17D	Any other very stressful events or experiences	0 OR 1

Subj.ID	LEC1H	LEC1W	LEC1L	LEC1N	LEC1D	LEC2H	LEC2W	LEC2L	LEC2N	LEC2D
cp001	1	0	0	0	0	0	0	1	0	0
cp002	1	0	0	0	0	0	1	0	0	0
cp003	1	1	1	0	0	0	0	1	1	0
cp004	1	0	0	0	0	0	0	1	0	0
cp005	1	0	0	0	0	0	0	0	1	0
cp006	1	0	0	0	0	0	1	0	0	0
cp007	1	0	0	0	0	0	1	1	0	0
cp008	0	1	0	0	0	0	0	0	0	1
cp009	0	0	1	0	0	0	1	0	0	0
cp011	1	1	1	0	0	0	0	0	1	0
cp012	1	0	1	0	0	0	1	1	1	
cp013	0	1	0	0	0	0	0	0	1	0
cp014	0	0	0	0	0	1	0	0	0	1
cp015	0	1	0	0	0	0	0	1	0	0
cp017	1	0	1	0	0	0	1	1	1	0
cp018	0	0	1	0	0	0	0	0	0	1
cp019	0	0	0	0	0	1	0	0	0	1
cp020	0	0	0	0	0	1	0	1	0	0

Subj.ID	LEC3H	LEC3W	LEC3L	LEC3N	LEC3D	LEC4H	LEC4W	LEC4L	LEC4N	LEC4D
cp001	0	1	0	0	0	0	0	0	0	1
cp002	1	0	0	0	0	0	0	0	1	0
cp003	1	1	1	0	0	0	0	0	0	1
cp004	1	0	0	0	0	0	0	1	0	0
cp005	1	0	0	0	0	0	1	0	0	0
cp006	1	0	0	0	0	0	0	0	0	1
cp007	1	0	0	0	0	0	1	1	0	0
cp008	0	0	0	0	0	1	0	0	0	1
cp009	1	0	0	0	0	0	1	1	0	0
cp011	1	1	1	0	0	0	0	0	1	0
cp012	1	1	0	0	0	0	0	1	1	0
cp013	1	1	1	0	0	0	0	1	1	0
cp014	0	0	0	0	0	1	0	0	0	1
cp015	0	1	0	0	0	0	0	1	0	0
cp017	0	1	1	0	0	0	0	1	1	0
cp018	1	0	0	0	0	0	0	0	1	0
cp019	0	1	0	0	0	0	0	1	0	0
cp020	0	1	0	0	0	0	0	1	0	0

Subj.ID	LEC5H	LEC5W	LEC5L	LEC5N	LEC5D	LEC6H	LEC6W	LEC6L	LEC6N	LEC6D
cp001	0	0	0	0	0	1	0	0	1	0
cp002	1	0	0	0	0	0	1	0	0	0
cp003	1	0	0	0	0	0	0	0	1	0
cp004	1	0	0	0	0	0	1	0	0	0
cp005	0	0	0	0	0	1	0	0	0	1
cp006	0	0	0	0	0	1	0	0	0	1
cp007	0	0	0	1	0	0	0	0	1	0
cp008	0	0	0	0	0	1	1	1	0	0
cp009	1	0	0	0	0	0	1	0	0	0
cp011	0	0	0	0	0	1	1	1	1	0
cp012	1	0	0	0	0	0	0	1	0	0
cp013	1	0	0	0	0	0	1	1	1	0
cp014	0	0	0	0	0	1	0	0	0	1
cp015	0	0	0	0	0	1	1	0	0	0
cp017	0	0	1	0	0	0	1	1	1	0
cp018	0	0	0	0	0	1	0	1	1	0
cp019	0	0	0	0	0	1	1	0	0	0
cp020	0	0	0	0	0	1	0	1	0	0

Subj.ID	LEC7H	LEC7W	LEC7L	LEC7N	LEC7D	LEC8H	LEC8W	LEC8L	LEC8N	LEC8D
cp001	0	0	1	0	0	0	0	1	0	0
cp002	1	0	0	0	0	0	0	0	0	1
cp003	0	0	1	0	0	1	0	0	0	0
cp004	1	0	0	0	0	0	0	0	0	1
cp005	0	0	0	0	1	1	0	0	0	0
cp006	0	0	0	0	1	0	0	0	0	1
cp007	0	1	1	0	0	0	0	1	0	0
cp008	0	0	0	0	1	0	0	0	0	1
cp009	1	0	0	0	0	1	0	0	0	0
cp011	0	0	1	0	0	0	0	1	0	0
cp012	1	1	0	0	0	0	0	1	0	0
cp013	0	1	0	0	0	0	0	1	0	0
cp014	0	0	0	0	1	0	0	0	0	1
cp015	0	0	1	0	0	1	0	0	0	0
cp017	1	0	1	0	0	0	0	1	0	0
cp018	0	0	1	0	0	0	1	0	0	0
cp019	0	0	1	0	0	0	0	0	0	1
cp020	0	1	0	0	0	0	1	0	0	0

Subj.ID	LEC9H	LEC9W	LEC9L	LEC9N	LEC9D	LEC10H	LEC10W	LEC10L	LEC10N	LEC10D
cp001	0	0	1	0	0	1	0	0	0	0
cp002	0	0	0	0	1	1	0	0	0	0
cp003	1	0	0	0	0	1	0	0	0	0
cp004	0	0	0	0	1	1	0	0	0	0
cp005	1	0	0	0	0	1	0	0	0	0
cp006	0	0	0	0	1	1	0	0	0	0
cp007	0	0	1	0	0	1	1	0	0	0
cp008	0	0	0	0	1	1	0	0	0	0
cp009	0	0	0	1	0	1	0	0	0	0
cp011	0	0	0	0	0	1	1	1	0	0
cp012	0	0	1	0	0	1	0	1	0	0
cp013	0	0	0	0	1	1	0	0	0	0
cp014	0	0	0	0	1	0	0	0	1	0
cp015	1	0	0	0	0	1	0	0	0	0
cp017	0	0	1	0	0	1	1	1	0	0
cp018	1	0	0	0	0	1	0	0	0	0
cp019	0	0	0	0	1	1	0	0	0	0
cp020	1	0	0	0	0	1	0	0	0	0

Subj.ID	LEC11H	LEC11W	LEC11L	LEC11N	LEC11D	LEC12H	LEC12W	LEC12L	LEC12N	LEC12D
cp001	0	0	0	0	1	0	1	0	0	0
cp002	0	0	0	0	1	0	0	0	0	1
cp003	0	0	0	0	1	0	1	0	0	0
cp004	0	0	0	0	1	0	1	0	0	0
cp005	0	0	0	0	1	0	1	0	0	0
cp006	0	0	0	0	1	0	0	0	0	1
cp007	0	0	0	0	1	0	1	0	0	0
cp008	0	0	0	0	1	0	0	0	0	1
cp009	0	0	0	0	1	0	0	0	0	0
cp011	0	0	0	0	1	0	1	0	0	0
cp012	0	0	1	0	0	0	1	1	0	0
cp013	0	0	0	0	1	0	1	1	0	0
cp014	0	0	0	0	1	0	0	0	0	1
cp015	0	0	0	0	1	0	1	0	0	0
cp017	0	0	1	0	0	0	1	1	0	0
cp018	0	0	0	0	1	0	1	0	0	0
cp019	0	0	0	0	1	0	0	0	0	1
cp020	0	0	1	0	0	0	0	1	0	0

Subj.ID	LEC13H	LEC13W	LEC13L	LEC13N	LEC13D	LEC14H	LEC14W	LEC14L	LEC14N	LEC14D
cp001	0	1	0	0	0	0	1	0	0	0
cp002	0	1	0	0	0	0	1	0	0	0
cp003	0	0	0	0	1	0	0	0	0	1
cp004	0	1	0	0	0	0	0	0	0	1
cp005	0	0	0	0	1	0	0	0	0	1
cp006	0	0	1	0	0	0	0	1	0	0
cp007	0	0	0	0	1	0	0	1	0	0
cp008	0	0	0	0	1	0	0	0	0	1
cp009	0	0	0	1	0	0	0	1	0	0
cp011	0	0	0	0	1	1	1	1	0	0
cp012	0	1	0	0	0	0	1	0	0	0
cp013	0	1	0	0	0	0	0	1	0	0
cp014	0	0	0	0	1	0	0	0	0	1
cp015	0	1	0	0	0	1	0	0	0	0
cp017	0	1	1	0	0	0	1	1	0	0
cp018	0	0	0	0	0	0	1	1	0	0
cp019	0	1	0	0	0	0	0	1	0	0
cp020	0	0	0	1	0	0	0	0	0	1

Subj.ID	LEC15H	LEC15W	LEC15L	LEC15N	LEC15D	LEC16H	LEC16W	LEC16L	LEC16N	LEC16D
cp001	0	0	0	0	1	0	0	0	0	1
cp002	1	0	0	0	0	0	0	0	0	1
cp003	1	0	0	0	0	0	0	0	0	1
cp004	0	0	0	0	1	0	0	0	1	0
cp005	1	0	0	0	0	0	0	0	0	1
cp006	0	0	1	0	0	0	0	0	0	1
cp007	1	1	0	0	0	0	0	0	0	1
cp008	0	0	0	0	1	0	1	0	0	0
cp009	0	0	0	0	0	1	0	0	0	0
cp011	1	1	1	0	0	1	0	0	0	0
cp012	0	1	0	0	0	0	0	1	0	0
cp013	1	0	0	0	0	0	0	0	0	1
cp014	1	0	0	0	0	0	0	0	0	1
cp015	1	0	0	0	0	0	0	0	0	1
cp017	0	1	1	0	0	0	0	0	0	1
cp018	1	0	0	0	0	0	0	0	0	1
cp019	0	0	1	0	0	0	0	0	0	1
cp020	0	1	0	0	0	0	0	0	1	0

Subj.ID	LEC17H	LEC17W	LEC17L	LEC17N	LEC17D	LEC*
cp001	0	1	0	0	0	17
cp002	0	0	0	1	0	17
cp003	1	1	1	0	0	24
cp004	1	0	0	0	0	17
cp005	0	0	0	0	1	17
cp006	0	0	0	0	1	17
cp007	1	0	0	0	0	22
cp008	0	0	0	0	1	18
cp009	0	0	0	1	0	16
cp011	1	0	0	0	0	28
cp012	1	0	0	0	0	25
cp013	1	1	1	0	0	25
cp014	0	0	0	0	1	17
cp015	0	0	0	0	0	16
cp017	1	1	1	0	0	33
cp018	1	0	1	0	0	19
cp019	1	0	0	0	0	17
cp020	0	0	0	0	1	17

Results of MASQ Question Group

MASQ	QUESTION GROUP: MASQ	1= Not at all; 5= Extremely
MASQ01	Felt cheerful	1-5
MASQ02	Felt afraid	1-5
MASQ03	Startled easy	1-5
MASQ04	Felt confused	1-5
MASQ05	Slept very well	1-5
MASQ06	Felt sad	1-5
MASQ07	Felt very alert	1-5
MASQ08	Felt discouraged	1-5
MASQ09	Felt nauseous	1-5
MASQ10	Felt like crying	1-5
MASQ11	Felt successful	1-5
MASQ12	Had diarrhea	1-5
MASQ13	Felt worthless	1-5
MASQ14	Felt really happy	1-5
MASQ15	Felt nervous	1-5
MASQ16	Felt depressed	1-5
MASQ17	Felt irritable	1-5
MASQ18	Felt optimistic	1-5
MASQ19	Felt faint	1-5
MASQ20	Felt uneasy	1-5
MASQ21	Felt really bored	1-5
MASQ22	Felt hopeless	1-5
MASQ23	Felt like I was having a lot of fun	1-5
MASQ24	Blamed myself for a lot of things	1-5
MASQ25	Felt numbness or tingling in my body	1-5
MASQ26	Felt withdrawn from other people	1-5
MASQ27	Seemed to move quickly and easily	1-5
MASQ28	Was afraid I was going to lose control	1-5
MASQ29	Felt dissatisfied with everything	1-5
MASQ30	Looked forward to things with enjoyment	1-5
MASQ31	Had trouble remembering things	1-5
MASQ32	Felt like I didn't need much sleep	1-5
MASQ33	Felt like nothing was very enjoyable	1-5
MASQ34	Felt like something awful was going to happen	1-5
MASQ35	Felt like I had accomplished a lot	1-5
MASQ36	Felt like I had a lot of interesting things to do	1-5
MASQ37	Did not have much of an appetite	1-5

MASQ38	Felt like being with other people	1-5
MASQ39	Felt like it took extra effort to get started	1-5
MASQ40	Felt like I had a lot to look forward to	1-5
MASQ41	Thoughts and ideas came to me very easily	1-5
MASQ42	Felt pessimistic about the future	1-5
MASQ43	Felt like I could do everything I needed to do	1-5
MASQ44	Felt like there wasn't anything interesting or fun to do	1-5
MASQ45	Had pain in my chest	1-5
MASQ46	Felt really talkative	1-5
MASQ47	Felt like a failure	1-5
MASQ48	Had hot or cold spells	1-5
MASQ49	Was proud of myself	1-5
MASQ50	Felt very restless	1-5
MASQ51	Had trouble falling asleep	1-5
MASQ52	Felt dizzy or lightheaded	1-5
MASQ53	Felt unattractive	1-5
MASQ54	Felt very clearheaded	1-5
MASQ55	Was short of breath	1-5
MASQ56	Felt sluggish or tired	1-5
MASQ57	Hands were shaky	1-5
MASQ58	Felt really "up" or lively	1-5
MASQ59	Was unable to relax	1-5
MASQ60	Felt like being by myself	1-5
MASQ61	Felt like I was choking	1-5
MASQ62	Was unable to laugh easily	1-5
MASQ63	Had an upset stomach	1-5
MASQ64	Felt inferior to others	1-5
MASQ65	Had a lump in my throat	1-5
MASQ66	Felt really slowed down	1-5
MASQ67	Had a very dry mouth	1-5
MASQ68	Felt confident about myself	1-5
MASQ69	Muscles twitched or trembled	1-5
MASQ70	Had trouble making decisions	1-5
MASQ71	Felt like I was going crazy	1-5
MASQ72	Felt like I had a lot of energy	1-5
MASQ73	Was afraid I was going to die	1-5
MASQ74	Was disappointed in myself	1-5

MASQ75	Heart was racing or pounding	1-5
MASQ76	Had trouble concentrating	1-5
MASQ77	Felt tense or "high strung"	1-5
MASQ78	Felt hopeful about the future	1-5
MASQ79	Was trembling or shaking	1-5
MASQ80	Had trouble paying attention	1-5
MASQ81	Muscles were tense or sore	1-5
MASQ82	Felt keyed up, "on edge"	1-5
MASQ83	Had trouble staying asleep	1-5
MASQ84	Worried a lot about things	1-5
MASQ85	Had to urinate frequently	1-5
MASQ86	Felt really good about myself	1-5
MASQ87	Had trouble swallowing	1-5
MASQ88	Hands were cold or sweaty	1-5
MASQ89	Thought about death or suicide	1-5
MASQ90	Got tired or fatigued easily	1-5
MASQ.A D8	MASQ - Anhedonic depression scale (8 item)	21+26+33+39+44+53+66+89
MASQ.A D14	MASQ - Anhedonic depression scale (14 item)	1+14+18+23+27+30+35+36+40+49+58+72+78+86
MASQ.A D	MASQ - Anhedonic depression scale (total/combined)	Sum of AD items
MASQ.A A	MASQ - Anhedonic anxiety scale	3+19+25+45+48+52+55+57+61+67+69+73+75+79+85+87+88

Subj.ID	MASQ01	MASQ02	MASQ03	MASQ04	MASQ05	MASQ06	MASQ07	MASQ08	MASQ09	MASQ10
cp001	4	1	1	1	2	1	3	1	1	1
cp002	3	1	1	1	3	1	3	1	1	1
cp003	4	1	1	3	2	2	2	1	3	3
cp004	2	4	5	4	1	3	3	3	3	4
cp005	4	2	1	1	4	1	1	2	1	1
cp006	4	2	1	1	4	1	4	2	1	1
cp007	3	1	1	1	2	1	4	1	1	1
cp008	4	1	2	3	2	1	2	1	2	1
cp009	1	2	4	5	2	4	5	4	4	5
cp011	5	1	4	5	3	3	2	1	4	5
cp012	4	2	2	2	3	1	3	2	1	1
cp013	2	1	1	1	3	1	4	2	1	1
cp014	1	4	5	3	1	3	3	3	2	1
cp015	5	1	2	1	3	2	4	2	2	1
cp017	3	4	4	2	1	2	5	1	1	1
cp018	4	2	1	1	1	3	1	2	1	3
cp019	1	1	1	1	2	1	4	1	1	1
cp020	1	2	2	1	3	1	4	1	2	1

Subj.ID	MASQ11	MASQ12	MASQ13	MASQ14	MASQ15	MASQ16	MASQ17	MASQ18	MASQ19	MASQ20
cp001	4	1	1	5	1	1	1	3	1	1
cp002	3	1	1	4	2	1	2	3	1	1
cp003	2	1	1	2	3	3	3	4	1	2
cp004	3	1	2	1	4	4	5	2	1	5
cp005	3	1	1	4	2	1	1	4	1	1
cp006	3	1	1	4	2	1	2	3	1	2
cp007	4	1	1	3	1	1	3	3	1	1
cp008	4	2	1	4	3	1	2	4	1	2
cp009	1	3	2	1	5	4	4	4	2	4
cp011	5	2	1	5	2	1	4	5	3	2
cp012	4	1	1	4	2	1	1	5	1	2
cp013	4	1	1	2	2	1	3	2	1	2
cp014	1	1	4	1	1	5	3	1	2	3
cp015	5	2	1	4	1	1	2	5	1	1
cp017	3	1	1	3	2	1	4	3	1	3
cp018	2	1	2	4	2	3	4	4	1	3
cp019	4	1	1	1	1	1	1	1	1	1
cp020	5	1	1	2	2	1	1	2	1	2

Subj.ID	MASQ21	MASQ22	MASQ23	MASQ24	MASQ25	MASQ26	MASQ27	MASQ28	MASQ29	MASQ30
cp001	1	1	5	1	1	1	5	1	1	5
cp002	2	1	3	1	1	1	3	1	1	4
cp003	1	1	1	1	5	2	1	1	2	3
cp004	2	2	2	4	3	5	3	4	4	3
cp005	2	1	4	2	1	1	3	1	1	5
cp006	2	1	3	1	1	1	3	1	1	3
cp007	1	1	3	1	1	2	3	1	1	2
cp008	3	1	4	1	5	1	2	1	1	4
cp009	2	4	1	1	4	5	1	4	3	2
cp011	1	1	5	3	2	1	2	1	1	5
cp012	3	1	3	3	1	1	3	3	1	4
cp013	2	1	2	1	1	1	2	1	1	2
cp014	2	3	1	2	4	3	1	3	3	1
cp015	2	1	4	1	2	1	4	1	1	5
cp017	1	1	4	1	3	3	4	1	2	3
cp018	2	3	4	2	3	5	5	1	3	4
cp019	1	1	1	1	1	1	1	1	1	1
cp020	3	1	2	1	4	1	3	1	1	2

Subj.ID	MASQ31	MASQ32	MASQ33	MASQ34	MASQ35	MASQ36	MASQ37	MASQ38	MASQ39	MASQ40
cp001	1	1	1	1	5	4	1	4	1	5
cp002	1	1	1	1	4	4	1	2	1	3
cp003	4	1	1	1	2	2	4	2	5	3
cp004	3	2	4	3	3	3	1	1	4	3
cp005	2	1	1	1	3	4	1	5	1	5
cp006	1	1	1	1	3	4	1	4	1	4
cp007	1	1	1	1	4	2	2	3	2	3
cp008	5	1	1	2	4	3	1	3	4	4
cp009	5	2	4	4	1	3	5	1	5	2
cp011	4	1	1	2	5	5	2	5	2	5
cp012	2	3	1	1	3	3	1	3	2	4
cp013	2	2	1	1	3	3	1	4	2	2
cp014	3	1	3	1	1	1	1	1	3	3
cp015	2	1	1	1	5	3	3	5	2	5
cp017	2	1	1	2	3	4	2	2	2	3
cp018	4	3	3	2	4	5	2	1	3	4
cp019	2	4	1	1	1	3	1	3	1	1
cp020	2	1	1	1	2	2	2	5	1	1

Subj.ID	MASQ41	MASQ42	MASQ43	MASQ44	MASQ45	MASQ46	MASQ47	MASQ48	MASQ49	MASQ50
cp001	5	2	5	1	1	3	1	1	5	1
cp002	4	1	4	1	1	1	1	1	4	1
cp003	1	1	2	1	4	3	1	5	5	3
cp004	2	2	2	3	1	1	2	1	2	4
cp005	4	2	4	1	1	3	1	1	3	1
cp006	4	1	4	1	1	3	1	1	3	1
cp007	3	1	1	1	1	1	1	1	3	2
cp008	2	1	4	1	1	4	1	5	4	3
cp009	1	3	1	2	3	1	4	3	1	2
cp011	4	1	4	1	1	3	1	4	5	1
cp012	4	2	4	1	1	2	1	1	2	3
cp013	3	1	4	1	1	3	1	1	3	3
cp014	1	4	1	2	3	1	1	2	3	1
cp015	4	1	5	1	1	5	1	2	5	3
cp017	3	2	2	1	3	3	1	1	4	4
cp018	2	4	2	4	4	1	2	3	4	3
cp019	4	5	5	1	1	4	1	1	1	2
cp020	4	1	5	1	1	4	1	2	2	1

Subj.ID	MASQ51	MASQ52	MASQ53	MASQ54	MASQ55	MASQ56	MASQ57	MASQ58	MASQ59	MASQ60
cp001	1	1	1	5	1	1	1	5	1	4
cp002	1	1	1	3	1	1	1	4	1	4
cp003	4	3	1	1	2	5	2	2	1	2
cp004	4	4	2	3	1	4	4	2	2	5
cp005	1	1	1	4	1	2	1	4	1	5
cp006	1	1	2	4	1	2	1	3	2	1
cp007	3	2	1	3	2	3	3	3	2	2
cp008	3	1	1	2	3	5	1	1	1	4
cp009	3	2	2	2	1	5	3	1	5	5
cp011	2	5	1	2	1	4	1	2	1	5
cp012	1	1	2	3	1	2	1	4	1	2
cp013	1	1	1	4	1	3	2	3	1	1
cp014	5	3	3	1	3	5	1	1	3	1
cp015	2	2	1	5	1	3	1	4	1	3
cp017	5	1	1	3	1	3	2	5	4	3
cp018	3	1	2	1	3	4	1	5	2	5
cp019	2	1	1	4	1	1	1	1	1	5
cp020	3	1	2	4	1	1	1	2	2	5

Subj.ID	MASQ61	MASQ62	MASQ63	MASQ64	MASQ65	MASQ66	MASQ67	MASQ68	MASQ69	MASQ70
cp001	1	1	1	1	1	1	1	5	1	1
cp002	1	1	1	1	1	1	1	5	1	1
cp003	1	2	4	1	1	4	3	3	1	5
cp004	1	2	2	1	1	2	1	3	1	1
cp005	1	1	1	2	1	1	1	4	1	1
cp006	1	1	1	1	1	2	1	4	1	1
cp007	1	1	1	1	1	2	2	4	2	1
cp008	1	1	2	1	1	4	2	3	2	2
cp009	4	5	1	2	2	5	5	3	5	5
cp011	1	1	2	1	1	1	1	5	1	3
cp012	1	1	1	1	1	1	1	3	1	2
cp013	1	1	1	1	1	1	1	4	1	2
cp014	1	3	3	1	1	3	1	1	3	5
cp015	1	1	2	1	1	2	2	5	1	2
cp017	1	2	1	1	1	3	1	3	5	2
cp018	1	2	1	3	1	2	1	2	2	3
cp019	1	1	1	1	1	1	1	5	1	1
cp020	1	1	2	1	1	1	1	5	3	2

Subj.ID	MASQ71	MASQ72	MASQ73	MASQ74	MASQ75	MASQ76	MASQ77	MASQ78	MASQ79	MASQ80
cp001	1	5	1	1	1	1	1	5	1	1
cp002	1	4	1	1	2	1	2	4	1	1
cp003	2	1	1	1	3	5	1	5	2	5
cp004	2	2	1	2	3	3	3	4	4	3
cp005	1	4	1	1	1	1	1	5	1	1
cp006	1	3	1	2	1	1	2	4	1	1
cp007	1	2	2	1	2	1	2	3	1	1
cp008	1	1	1	1	1	3	2	1	1	3
cp009	4	1	3	2	4	5	4	2	3	4
cp011	3	2	1	1	1	4	1	5	1	4
cp012	1	4	1	1	2	2	1	3	1	2
cp013	1	2	1	1	1	1	3	2	1	2
cp014	1	1	3	1	2	4	3	3		5
cp015	1	3	1	1	1	2	1	5	1	2
cp017	1	5	1	1	1	3	4	3	4	2
cp018	2	5	4	3	3	4	2	2	1	4
cp019	1	1	1	1	1	1	1	1	1	1
cp020	1	2	1	1	1	2	2	1	1	2

Subj.ID	MASQ81	MASQ82	MASQ83	MASQ84	MASQ85	MASQ86	MASQ87	MASQ88	MASQ89	MASQ90
cp001	1	1	1	2	1	5	1	2	1	1
cp002	3	2	1	2	1	4	1	1	1	1
cp003	5	1	4	3	2	3	1	1	1	5
cp004	1	5	4	5	2	2	1	1	3	3
cp005	1	1	1	1	1	4	1	1	1	1
cp006	2	1	2	2	1	4	1	1	1	2
cp007	1	1	1	1	1	3	1	1	1	3
cp008	5	1	1	2	2	4	1	5	1	5
cp009	4	4	5	3	5	2	4	3	2	5
cp011	3	1	2	2	5	5	1	5	1	4
cp012	1	3	1	1	1	3	1	1	1	1
cp013	1	2	1	3	1	2	1	1	1	2
cp014	4	3	5	3	1	1	1	5	1	5
cp015	3	1	3	1	2	4	1	1	1	3
cp017	5	4	5	3	1	3	2	1	2	3
cp018	4	3	3	4	1	2	1	1	2	4
cp019	1	1	4	1	1	1	1	1	1	1
cp020	2	1	3	1	1	1	1	1	1	1

Subj.ID	MASQ.AD8*	MASQ.AD14*	MASQ.AD*	MASQ.AA*
cp001	8	66	74	18
cp002	9	51	60	18
cp003	16	38	54	38
cp004	25	34	59	35
cp005	9	56	65	17
cp006	11	48	59	17
cp007	11	40	51	25
cp008	16	44	60	35
cp009	27	23	50	58
cp011	9	61	70	38
cp012	12	49	61	19
cp013	10	32	42	18
cp014	20	20	40	40
cp015	11	61	72	23
cp017	14	50	64	33
cp018	23	56	79	32
cp019	8	16	24	17
cp020	11	25	36	24

Results of MFI Question Group

MFI	QUESTION GROUP: MFI	1= "yes, that is true"; 5= "no, that is not true"
MFI1	I feel fit	1-5
MFI2	Physically, I feel only able to do a little	1-5 Negatively keyed
MFI3	I feel very active	1-5
MFI4	I feel like doing all sorts of nice things	1-5
MFI5	I feel tired	1-5 Negatively keyed
MFI6	I think I do a lot in a day	1-5
MFI7	When I am doing something, I can keep my thoughts on it	1-5
MFI8	Physically, I can take on a lot	1-5
MFI9	I dread having to do things	1-5 Negatively keyed
MFI10	I think I do very little in a day	1-5 Negatively keyed
MFI11	I can concentrate well	1-5
MFI12	I am rested	1-5
MFI13	It takes a lot of effort to concentrate on things	1-5 Negatively keyed
MFI14	Physically, I feel I am in a bad condition	1-5 Negatively keyed
MFI15	I have a lot of plans	1-5
MFI16	I tire easily	1-5 Negatively keyed
MFI17	I get little done	1-5 Negatively keyed
MFI18	I don't feel like doing anything	1-5 Negatively keyed
MFI19	My thoughts easily wander	1-5 Negatively keyed
MFI20	Physically, I feel I am in an excellent condition	1-5
MFI.GF	MFI - General Fatigue	1+5+12+16
MFI.PF	MFI - Physical Fatigue	2+8+14+20
MFI.RA	MFI - Reduced Activity	3+6+10+17
MFI.RM	MFI - Reduced Motivation	4+9+15+18
MFI.MF	MFI - Mental Fatigue	7+11+13+19

Subj.ID	MFI1	MFI2	MFI3	MFI4	MFI5	MFI6	MFI7	MFI8	MFI9	MFI10
cp001	1	5	1	1	5	1	1	1	5	5
cp002	2	5	1	1	5	1	1	1	5	5
cp003	4	4	4	4	2	4	5	5	5	3
cp004	4	3	4	5	2	4	4	5	3	3
cp005	3	5	2	1	4	2	2	2	4	5
cp006	2	5	2	3	3	3	2	2	4	5
cp007	3	2	4	4	2	3	1	3	5	2
cp008	5	3	3	2	1	2	3	2	3	5
cp009	5	1	4	3	1	5	4	5	2	1
cp011	1	3	1	1	2	4	3	3	3	2
cp012	4	3	5	2	5	4	2	2	3	4
cp013	2	1	2	2	2	1	2	2	2	1
cp014		1	5	5	1	5	3	5	5	1
cp015	2	4	2	1	3	2	1	1	4	5
cp017	3	4	4	3	5	5	3	4	3	4
cp018	5	4	5	4	5	4	3	2	4	4
cp019	2	1	1	1	3	1	1	1	2	1
cp020	1	1	2	1	1	1	1	2	2	1

Subj.ID	MFI11	MFI12	MFI13	MFI14	MFI15	MFI16	MFI17	MFI18	MFI19	MFI20
cp001	1	4	5	5	1	5	5	4	2	1
cp002	1	1	5	4	2	5	5	5	5	2
cp003	5	2	1	4	1	1	4	5	5	5
cp004	4	4	2	4	4	2	2	2	2	5
cp005	2	2	5	5	1	4	5	5	4	3
cp006	2	3	5	5	2	4	5	5	4	2
cp007	2	3	5	4	1	3	4	3	4	4
cp008	4	4	2	2	1	2	5	5	1	5
cp009	4	5	1	1	3	1	1	3	2	5
cp011	3	4	3	5	1	1	3	3	1	4
cp012	2	2	5	4	2	4	5	5	4	4
cp013	2	3	2	1	1	2	1	1	3	2
cp014	5	5	1	1	3	1	1	1	1	5
cp015	2	2	4	5	1	3	4	5	4	2
cp017	3	5	3	3	2	3	3	2	3	5
cp018	5	4	3	5	2	5	4	4	5	5
cp019	1	3	1	1	1	1	1	1	1	2
cp020	3	3	2	1	1	1	1	1	2	3

Subj.ID	MFI_GF*	MFI_PF*	MFI_RA*	MFI_RM*	MFI_ME*
cp001	15	12	12	11	9
cp002	13	12	12	13	12
cp003	9	18	15	15	16
cp004	12	17	13	14	12
cp005	13	15	14	11	13
cp006	12	14	15	14	13
cp007	11	13	13	13	12
cp008	12	12	15	11	10
cp009	12	12	11	11	11
cp011	8	15	10	8	10
cp012	15	13	18	12	13
cp013	9	6	5	6	9
cp014	7	12	12	14	10
cp015	10	12	13	11	11
cp017	16	16	16	10	12
cp018	19	16	17	14	16
cp019	9	5	4	5	4
cp020	6	7	5	5	8

Results of PCL-M Question Group

PCLM	QUESTION GROUP: PCL-M	1= Not at all; 5= Extremely
PCLM1	Repeated, disturbing memories, thoughts of images of stressful military experiences	1-5
PCLM2	Repeated, disturbing memories, dreams of images of stressful military experiences	1-5
PCLM3	Feeling as if you were reliving stressful military experiences	1-5
PCLM4	Feeling very upset when something reminds you of stressful military experience	1-5
PCLM5	Physical reaction when something reminds you of stressful military experience	1-5
PCLM6	Avoiding thinking about or talking about a stressful military experience	1-5
PCLM7	Avoiding activities because they remind you of the stressful military experience	1-5
PCLM8	Trouble remembering parts of stressful military experience	1-5
PCLM9	Loss of interest in activities that you used to enjoy?	1-5
PCLM10	Feeling distant or cut off from other people?	1-5
PCLM11	Feeling emotionally numb or being unable to have loving feeling for those close to you	1-5
PCLM12	Feeling as if your future somehow will be cut short	1-5
PCLM13	Trouble falling or staying asleep	1-5
PCLM14	Feeling irritable or having angry outbursts?	1-5
PCLM15	Having difficulty concentrating	1-5
PCLM16	Being "superalert" or watchful or on guard?	1-5
PCLM17	Feeling jumpy or easily startled	1-5
PCLM.Tot		Sum all items

Subj.ID	PCLM1	PCLM2	PCLM3	PCLM4	PCLM5	PCLM6	PCLM7	PCLM8	PCLM9	PCLM10
cp001	2	1	1	1	1	2	1	1	1	1
cp002	2	1	1	2	2	1	1	1	1	1
cp003	1	1	1	2	2	1	1	1	4	2
cp004	4	4	4	4	4	4	4	2	5	5
cp005	1	1	1	1	1	1	1	1	1	1
cp006	1	2	1	1	1	2	1	1	1	1
cp007	1	1	1	1	1	1	1	1	3	1
cp008	1	1	1	1	1	1	1	1	1	1
cp009	4	5	5	4	3	3	4	4	5	5
cp011	3	3	4	5	5	5	4	1	2	2
cp012	1	1	1	1	1	1	1	1	1	1
cp013	1	1	2	1	1	1	1	1	1	1
cp014	3	3	3	5	3	5	5	3	4	5
cp015	1	1	1	1	1	1	1	1	2	1
cp017	3	1	1	3	3	4	4	3	3	4
cp018	1	2	1	1	1	3	1	1	1	1
cp019	3	3	1	1	1	1	1	1	1	1
cp020	3	3	1	2	1	2	1	3	1	1

Subj.ID	PCLM11	PCLM12	PCLM13	PCLM14	PCLM15	PCLM16	PCLM17	PCLM*
cp001	1	1	1	1	1	1	1	19
cp002	1	1	1	1	1	1	1	20
cp003	4	1	4	2	5	1	2	35
cp004	4	4	5	5	4	5	5	72
cp005	1	1	1	1	1	1	1	17
cp006	1	1	1	1	1	1	1	19
cp007	1	1	2	3	1	1	1	22
cp008	1	1	2	2	3	1	2	22
cp009	5	5	5	4	5	4	4	74
cp011	1	1	2	4	4	2	3	51
cp012	1	1	1	1	1	3	1	19
cp013	1	1	1	2	1	1	1	19
cp014	2	3	5	5	5	3	5	67
cp015	1	1	3	2	2	2	2	24
cp017	2	1	5	4	3	5	5	54
cp018	1	2	2	1	2	1	1	23
cp019	1	1	3	1	1	1	1	23
cp020	1	1	3	1	2	1	1	28

Results of PSS Question Group

PSS	QUESTION GROUP: PSS	0= Never; 4= Very often
PSS1	In last month, how often have you been upset over an unexpected event	0-4
PSS2	In last month, how often have you felt you were unable to control important events	0-4
PSS3	In last month, how often have you felt nervous or stressed	0-4
PSS4	In last month, how often have you dealt successfully with irritating hassles	0-4 Negatively keyed
PSS5	In last month, how often have you felt you effectively coped with change	0-4 Negatively keyed
PSS6	In last month, how often have you felt able to handle your personal problems	0-4 Negatively keyed
PSS7	In last month, how often have you felt things were going your way	0-4 Negatively keyed
PSS8	In last month, how often have you felt overwhelmed with the number of events in life	0-4
PSS9	In last month, how often have you been able to control irritation in your life	0-4 Negatively keyed
PSS10	In last month, how often have you felt on top of things	0-4 Negatively keyed
PSS11	In last month, how often have you been angry because things were outside your control	0-4
PSS12	In last month, how often have you thought about things you have to accomplish	0-4
PSS13	In last month, how often have you been able to control the way you spend time	0-4 Negatively keyed
PSS14	In last month, how often have you felt difficulties were becoming overwhelming	0-4
PSS.Tot	PSS Total Score	Sum of items after reverse coding

Subj.ID	PSS1	PSS2	PSS3	PSS4	PSS5	PSS6	PSS7	PSS8
cp001	1	1	0	0	1	4	4	0
cp002	1	0	2	3	3	3	3	0
cp003	0	0	3	4	3	4	3	1
cp004	2	1	3	2	2	2	1	2
cp005	1	2	1	3	3	3	2	1
cp006	1	1	2	3	3	4	3	1
cp007	1	2	4	1	1	0	2	0
cp008	2	1	2	4	4	4	3	1
cp009	4	4	4	3	1	1	0	3
cp011	3	2	3	3	3	3	3	2
cp012	1	1	2	2	2	2	2	2
cp013	1	0	2	0	0	0	1	1
cp014	4	1		2	3	4	2	3
cp015	2	2	2	4	4	4	3	1
cp017	2	2	3	3	2	3	2	2
cp018	2	1	3	2	2	1	3	1
cp019	0	0	2	0	0	0	0	0
cp020	2	1	0	1	0	0	1	0

Subj.ID	PSS9	PSS10	PSS11	PSS12	PSS13	PSS14	PSS*
cp001	3	4	2	2	4	1	27
cp002	3	3	2	3	2	0	28
cp003	4	4	0	4	4	0	34
cp004	2	1	3	2	2	2	27
cp005	2	3	1	4	2	1	29
cp006	3	3	2	2	3	0	31
cp007	2	1	0	2	1	0	17
cp008	3	4	2	3	3	0	36
cp009	1	0	3	4	3	4	35
cp011	3	2	1	4	4	0	36
cp012	3	3	1	3	3	1	28
cp013	1	1	1	3	1	1	13
cp014	3	2	3	4	0	2	33
cp015	4	4	2	4	4	0	40
cp017	2	2	3	4	2	1	33
cp018	1	1	2	4	2	1	26
cp019	0	0	0	0	0	0	2
cp020	1	1	2	2	1	1	13

Results of PROMIS Question Group

PROMIS	QUESTION GROUP: PROMIS	1= Without difficulty/Never/Not at all/Poor; 5= Unable to do/Always/Very much/Very good
PROMIS1	Are you able to do chores such as vacuuming or yard work	1-5 Reverse keyed
PROMIS2	Are you able to go up and down stairs at a normal pace?	1-5 Reverse keyed
PROMIS3	Are you able to go for a walk for atleast 15 minutes	1-5 Reverse keyed
PROMIS4	Are you able to run errands and shop	1-5 Reverse keyed
PROMIS5	I felt fearful	1-5
PROMIS6	I found it hard to focus on anything other than my anxiety	1-5
PROMIS7	My worries overwhelmed me	1-5
PROMIS8	I felt uneasy	1-5
PROMIS9	I felt worthless	1-5
PROMIS10	I felt helpless	1-5
PROMIS11	I felt depressed	1-5
PROMIS12	I fel thopeless	1-5
PROMIS13	I feel fatigued	1-5
PROMIS14	I have trouble starting things because I am tired	1-5
PROMIS15	How run-down did you feel on average?	1-5
PROMIS16	How fatigued were you on average?	1-5
PROMIS17	My sleep quality was	1-5 (1=very poor; 2=poor; 3=fair; 4=good; 5=very good) Reverse keyed
PROMIS18	My sleep was refreshing	1-5 Reverse keyed

PROMIS19	I had problems with my sleep	1-5
PROMIS20	I had difficulty falling asleep	1-5
PROMIS21	I am satisfied with how much work I can do	1-5
PROMIS22	I am satisfied with my ability to work	1-5
PROMIS23	I am satisfied with my ability to do personal and household responsibilities	1-5
PROMIS24	I am satisfied with ym ability to do daily routines	1-5
PROMIS25	How much did pain interfere with your day to day activities	1-5
PROMIS26	How much did pain interfere with work around the home	1-5
PROMIS27	How much did pain interfere with your ability to participate socially	1-5
PROMIS28	How much did pain interfere with your household chores	1-5
PROMIS29	How would you rate your pain on average?	0-10 *Not typo
PROMISPF	Physical Function	1+2+3+4
PROMISA	Anxiety	5+6+7+8
PROMISD	Depression (CES-D) score total	9+10+11+12
PROMISF	Fatigue	13+14+15+16
PROMISSD	Social Disturbance	17+18+19+20
PROMISSSR	Satisfaction with Social Role	21+22+23+24
PROMISPIInter	Pain Interference	25+26+27+28
PROMISPSev	Pain Severity	29

Subj.ID	PROMIS1	PROMIS2	PROMIS3	PROMIS4	PROMIS5	PROMIS6	PROMIS7	PROMIS8	PROMIS9	PROMIS10
cp001	1	1	1	1	1	1	1	1	1	1
cp002	1	2	1	1	1	1	1	1	1	1
cp003	5	3	2	3	1	3	2	3	1	1
cp004	3	3	2	2	4	3	3	4	2	3
cp005	1	1	1	1	2	1	1	2	1	1
cp006	1	1	1	1	1	1	2	2	1	1
cp007	3	1	4	1	1	1	1	1	1	1
cp008	2	2	1	2	1	2	1	1	1	1
cp009	3	3	3	3	4	4	4	4	4	4
cp011	3	3	2	4	2	2	2	2	1	1
cp012	5	5	5	5	1	1	1	1	1	1
cp013	5	5	5	5	1	1	1	2	1	1
cp014	3	2	2	5	3	2	3	2	3	3
cp015	5	5	5	5	1	2	2	2	1	1
cp017	3	2	4	4	3	2	1	4	1	1
cp018	2	2	3	4	3	2	2	3	2	4
cp019	5	5	5	5	1	1	1	1	1	1
cp020	5	4	5	5	2	1	1	1	1	1

Subj.ID	PROMIS11	PROMIS12	PROMIS13	PROMIS14	PROMIS15	PROMIS16	PROMIS17	PROMIS18	PROMIS19	PROMIS20
cp001	1	1	1	1	1	1	4	4	1	1
cp002	1	1	1	1	1	1	3	4	2	1
cp003	4	1	5	5	5	5	2	2	4	4
cp004	4	3	4	3	3	3	2	2	4	4
cp005	1	1	2	1	1	2	4	4	1	1
cp006	1	1	2	2	2	2	4	3	1	1
cp007	1	1	3	2	2	2	3	3	2	3
cp008	1	1	5	5	5	5	3	1	2	2
cp009	4	4	5	5	4	4	2	2	4	5
cp011	1	1	4	2	3	4	3	2	3	1
cp012	1	1	1	1	1	1	1	1	1	1
cp013	1	1	2	2	2	2	2	2	1	1
cp014	5	3	5	5	5	5	5	5	5	2
cp015	1	1	4	3	3	4	2	3	3	3
cp017	1	1	4	4	4	4	4	4	4	5
cp018	3	3	4	4	5	4	3	5	4	3
cp019	1	1	1	1	1	1	3	3	2	2
cp020	1	1	2	1	2	2	3	4	3	2

Subj.ID	PROMIS21	PROMIS22	PROMIS23	PROMIS24	PROMIS25	PROMIS26	PROMIS27	PROMIS28	PROMIS29
cp001	5	5	5	5	1	1	1	1	0
cp002	4	4	5	5	1	1	2	1	1
cp003	2	2	2	4	5	5	5	5	8
cp004	2	2	2	2	3	3	3	2	5
cp005	4	4	4	4	1	1	1	1	0
cp006	4	4	4	4	1	1	1	1	0
cp007	5	5	5	3	3	2	2	3	5
cp008	4	4	4	4	3	3	3	3	6
cp009	1	2	3	2	4	4	5	4	10
cp011	2	2	3	2	4	4	5	5	6
cp012	4	4	4	4	1	1	1	1	0
cp013	4	5	5	5	1	1	1	1	0
cp014	1	2	1	2	5	5	4	3	7
cp015	4	5	5	4	3	3	3	3	3
cp017	2	2	2	2	4	4	4	4	6
cp018	2	2	2	2	4	3	3	3	4
cp019	5	5	5	5	1	1	1	1	0
cp020	5	4	5	5	2	2	2	2	2

Subj.ID	PROMIS_PF*	PROMIS_AnX*	PROMIS_Dep*	PROMIS_Fat*	PROMIS_SD*	PROMIS_SSR	PROMIS_PI*	PROMIS_PAIN*
cp001	4	4	4	4	10	20	4	0
cp002	5	4	4	4	10	18	5	1
cp003	13	9	7	20	12	10	20	8
cp004	10	14	12	13	12	8	11	5
cp005	4	6	4	6	10	16	4	0
cp006	4	6	4	8	9	16	4	0
cp007	9	4	4	9	11	18	10	5
cp008	7	5	4	20	8	16	12	6
cp009	12	16	16	18	13	8	17	10
cp011	12	8	4	13	9	9	18	6
cp012	20	4	4	4	4	16	4	0
cp013	20	5	4	8	6	19	4	0
cp014	12	10	14	20	17	6	17	7
cp015	20	7	4	14	11	18	12	3
cp017	13	10	4	16	17	8	16	6
cp018	11	10	12	17	15	8	13	4
cp019	20	4	4	4	10	20	4	0
cp020	19	5	4	7	12	19	8	2

Results of Trail Making Test

TMT	QUESTION GROUP: TMT	Time in seconds
TMT.A	TMT-A Trail Making Test (Part A)	
TMT.B	TMT-A Trail Making Test (Part B)	

Subj.ID	TMT.A	TMT.B
cp001	16.13	50.66
cp002	13.84	54.71
cp003	39.17	69.49
cp004	27.02	111.35
cp005	16.53	25.54
cp006	14.28	29.59
cp007	24.13	50.26
cp008	15.8	27.87
cp009	70.6	97.01
cp011	19.16	54.95
cp012	14.52	35.49
cp013	15.425	30.55
cp014	15.21	45.27
cp015	19.03	42.61
cp017	18.13	49.12
cp018	22.92	36.76
cp019	15.02	41.52
cp020	16.46	34.36