Subje	ct's Initials	ID#	D	ate	Time	AM PM
	PITTSBURGH SLEEP QUALITY INDEX					
The shou		relate to your usual t accurate reply for t ions.				swers
1.	During the past m	nonth, what time hav	e you usually gone	to bed at night?		
		BED T	IME			
2.	. During the past month, how long (in minutes) has it usually taken you to fall asleep each night					night?
		NUMBER OF	MINUTES			
3.	During the past month, what time have you usually gotten up in the morning?					
		GETTING (JP TIME			
4.	During the past month, how many hours of <u>actual</u> <u>sleep</u> did you get at night? (This may different than the number of hours you spent in bed.)					nay be
		HOURS OF SLEE	P PER NIGHT			
For ea	ach of the remainir	ng questions, chec	k the one best resp	onse. Please ar	nswer <u>all</u> ques	stions.
5.	During the past m	nonth, how often hav	ve you had trouble s	leeping because	you	
a) Cannot get to sleep within 30 minutes						
	Not during the past month	Less than once a week	Once or twice _ a week	Three or more times a week_		
b)	Wake up in the m	niddle of the night or	early morning			
	Not during the past month	Less than once a week	Once or twice a week	Three or more times a week_		
c)	Have to get up to	use the bathroom				
	Not during the	Less than	Once or twice			

d)	Cannot breathe comfortably					
	•	Less than once a week				
e)	Cough or snore loudly					
		Less than once a week				
f)	Feel too cold					
		Less than once a week		Three or more times a week		
g)	Feel too hot					
	Not during the past month	Less than once a week	Once or twice a week			
h)	Had bad dreams					
		Less than once a week		Three or more times a week		
i)	Have pain					
	Not during the past month	Less than once a week	Once or twice a week	Three or more times a week		
j)	Other reason(s), please describe					
	How often during	the past month have	you had trouble sle	eeping because of this?		
	•	Less than once a week		Three or more times a week		
6.	During the past m	During the past month, how would you rate your sleep quality overall?				
		Very good				
		Fairly good				
		Fairly bad				
		Very bad				

7.	"over the counter")?				
	Not during the past month	Less than once a week	Once or twice a week	Three or more times a week	
8.		month, how often hang in social activity?	ve you had trouble	e staying awake while driving, eating	
		Less than once a week		Three or more times a week	
9.	During the past month, how much of a problem has it been for you to keep up enough enthusiasm to get things done?				
	No prob	lem at all			
	Only a v	ery slight problem			
	Somewh	nat of a problem			
	A very b	ig problem			
10.	Do you have a be	ed partner or room m	ate?		
	No bed partner or room mate				
	Partner/room mate in other room				
Partner in same room, but not same bed					
	Partner in same bed				
-	ou have a room ma e had	ite or bed partner, as	k him/her how ofte	n in the past month you	
a)	Loud snoring				
	Not during the past month	Less than once a week	Once or twice a week	Three or more times a week	
b) Long pauses between breaths while asleep					
		Less than once a week			
c)	Legs twitching or	jerking while you sle	ер		
	Not during the	Less than	Once or twice		

d)	Episodes of disorientation or confusion during sleep					
	Not during the past month	Less than once a week	Once or twice a week	Three or more times a week		
e)	Other restlessness while you sleep; please describe					
	Not during the	Less than once a week	Once or twice a week	Three or more times a week		

Pittsburgh Sleep Quality Index (PSQI)

Form Administration Instructions, References, and Scoring

Form Administration Instructions

The range of values for questions 5 through 10 are all 0 to 3.

Questions 1 through 9 are not allowed to be missing except as noted below. If these questions are missing then any scores calculated using missing questions are also missing. Thus it is important to make sure that all questions 1 through 9 have been answered.

In the event that a range is given for an answer (for example, '30 to 60' is written as the answer to Q2, minutes to fall asleep), split the difference and enter 45.

Reference

Buysse DJ, Reynolds CF, Monk TH, Berman SR, Kupfer DJ: The Pittsburgh Sleep Quality Index: A new instrument for psychiatric practice and research. *Psychiatry Research* 28:193-213, 1989.

Scores - reportable in publications

On May 20, 2005, on the instruction of Dr. Daniel J. Buysse, the scoring of the PSQI was changed to set the score for Q5J to 0 if either the comment or the value was missing. This may reduce the DISTB score by 1 point and the PSQI Total Score by 1 point.

PSQIDURAT DURATION OF SLEEP

IF Q4 > 7, THEN set value to 0

IF Q4 < 7 and \geq 6, THEN set value to 1 IF Q4 < 6 and > 5, THEN set value to 2

IF Q4 < 5, THEN set value to 3

Minimum Score = 0 (better); Maximum Score = 3 (worse)

PSQIDISTB SLEEP DISTURBANCE

IF Q5b + Q5c + Q5d + Q5e + Q5f + Q5g + Q5h + Q5i + Q5j (IF Q5JCOM is null or Q5j is null, set the value of Q5j to 0) = 0, THEN set value to 0

IF Q5b + Q5c + Q5d + Q5e + Q5f + Q5g + Q5h + Q5i + Q5j (IF Q5JCOM is null or Q5j is null, set the value of Q5j to 0) > 1 and < 9, THEN set value to 1

IF Q5b + Q5c + Q5d + Q5e + Q5f + Q5g + Q5h + Q5i + Q5j (IF Q5JCOM is null or Q5j is null, set the value of Q5j to 0) > 9 and \leq 18, THEN set value to 2

IF Q5b + Q5c + Q5d + Q5e + Q5f + Q5g + Q5h + Q5i + Q5j (IF Q5JCOM is null or Q5j is null, set the value of Q5j to 0) > 18, THEN set value to 3

Minimum Score = 0 (better); Maximum Score = 3 (worse)

PSQILATEN SLEEP LATENCY

First, recode Q2 into Q2new thusly:

IF Q2 \geq 0 and \leq 15, THEN set value of Q2new to 0 IF Q2 > 15 and \leq 30, THEN set value of Q2new to 1 IF Q2 > 30 and \leq 60, THEN set value of Q2new to 2 IF Q2 > 60, THEN set value of Q2new to 3

Next

IF Q5a + Q2new = 0, THEN set value to 0

IF Q5a + Q2new \geq 1 and \leq 2, THEN set value to 1 IF Q5a + Q2new \geq 3 and \leq 4, THEN set value to 2

IF Q5a + Q2new > 5 and < 6, THEN set value to 3

Minimum Score = 0 (better); Maximum Score = 3 (worse)

PSQIDAYDYS DAY DYSFUNCTION DUE TO SLEEPINESS

IF Q8 + Q9 = 0, THEN set value to 0

IF Q8 + Q9 \geq 1 and \leq 2, THEN set value to 1 IF Q8 + Q9 \geq 3 and \leq 4, THEN set value to 2 IF Q8 + Q9 \geq 5 and \leq 6, THEN set value to 3

Minimum Score = 0 (better); Maximum Score = 3 (worse)

PSQIHSE SLEEP EFFICIENCY

Diffsec = Difference in seconds between day and time of day Q1 and day Q3

Diffhour = Absolute value of diffsec / 3600

newtib =IF diffhour > 24, then newtib = diffhour - 24

IF diffhour < 24, THEN newtib = diffhour

(NOTE, THE ABOVE JUST CALCULATES THE HOURS BETWEEN GNT (Q1)

AND GMT (Q3))

tmphse = (Q4 / newtib) * 100

IF tmphse \geq 85, THEN set value to 0

IF tmphse < 85 and ≥ 75 , THEN set value to 1 IF tmphse < 75 and > 65, THEN set value to 2

IF tmphse < 65, THEN set value to 3

Minimum Score = 0 (better); Maximum Score = 3 (worse)

PSQISLPQUAL OVERALL SLEEP QUALITY

Q6

Minimum Score = 0 (better); Maximum Score = 3 (worse)

PSQIMEDS NEED MEDS TO SLEEP

Q7

Minimum Score = 0 (better); Maximum Score = 3 (worse)

PSQI TOTAL

DURAT + DISTB + LATEN + DAYDYS + HSE + SLPQUAL + MEDS

Minimum Score = 0 (better); Maximum Score = 21 (worse)
Interpretation: TOTAL ≤ 5 associated with good sleep quality
TOTAL > 5 associated with poor sleep quality