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STUDY of WOMEN'S HEALTH
ACROSS the NATION

SCORED LSB / PSYCHOSOCIAL MEASURES FROM BASELINE TO FOLLOW UP VISIT 16

Longitudinal Measures

CODEBOOK

ARCHIVED DATASET 2019

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DOCUMENTATION FOR THE PUBLIC-USE SWAN LSB/PSYCHOSOCIAL LONGITUDINAL MEASURES - BASELINE THROUGH FOLLOW UP VISIT 15 DATASET

***Who is included in the public use dataset*:**
The dataset contains information from Baseline to Visit 16 for the 3,302 women from the 7 clinical sites participating in the SWAN longitudinal study. The sites include Boston, MA, Pittsburgh, PA, Oakland and Los Angeles, CA, Detroit, MI, Newark, NJ, and Chicago, IL. The assigned participant ID has been replaced with a randomly generated ARCHID in order to protect participant privacy.

The codebook documents LSB (Lifestyle, Symptoms and Behaviors)/Psychosocial information obtained from the Cross-sectional Interview, Annual Interviews, Self-Administered Questionnaire Part A (*hereafter referred to as SAA*), and Interim Bone Visit Self-Administered Questionnaire (*hereafter referred to as BVSA, for Visit 16*)

Difference from prior releases of the lsb/psychosocial longitudinal measures archive dataset (nialsb2018):
Visit 15 &16 LSB/psychosocial longitudinal measures were added to the dataset.

Missing data coding:
Original missing codes (-1: not applicable, -7: refused, -8: don't know, -9: missing) have been recoded to SAS missing codes (B: not applicable, .D: refused, .C: don't know, and .A: missing).

***Created variables*:** Some key standard variables that might be needed for many analyses were created. The names and coding of the created variables can be found beginning in Section IV.

Alcohol Use (ALCHCAT) were devised so that alcohol intake questions on the Food Frequency Questionnaire (FFQ) asked at Baseline, Visit 05, and Visit 9 could be examined longitudinally on a scale comparable to the alcohol intake questions on the SAA asked at Follow Up Visits 01-04, Visits 06-10, Visit 12-13 Visits 15 and 16. The participant had to complete all alcohol intake items in order to have a summary score. Alcohol intake questions included the average number of glasses of beer, wine/wine coolers, and/or liquor/mixed drinks drank by the participant on a daily/weekly/monthly basis. These questions and the response options for the FFQ and SAA were the same on both questionnaires (although the SAA ended at > 5 per day while the FFQ allowed for more specific answers above this level). However, since the Coordinating Center does not process the raw FFQ data the summary alcohol scores had to be used for creating this variable from the FFQ. For this variable, categories were defined as: 0=alcohol use less than once a month (for both questionnaires); 1=moderate alcohol use (defined as greater than once per month and less than 0.3 servings for the FFQ, or greater than once per month and less than 2 times per week for the SAA); and 2=high alcohol use (defined as ≥ 0.3 servings for the FFQ, or ≥ 2 times per week for the SAA). Thus, while the categories are essentially the same, in some longitudinal analysis the definitions may not be exact enough to use as a time-varying variable.
Please note that at Visit 9, both the FFQ and Self-A version of the alcohol use questions were asked. The variable ALCHFFQ9 represents alcohol intake reported by FFQ participants. ALCHCAT values are also available for Visit 9.

Alcohol Use (4 Category) (ALC4CAT) was devised so that alcohol intake questions on the FFQ and SAA could distinguish non-drinkers from infrequent drinkers. For this variable categories were defined as: 0 = abstainer, 1 = infrequent alcohol use (< 2 servings per week), 2 = light to moderate (defined as 2 to 7 servings per week), and heavy (> 7 per week). For the FFQ, 1 gram of alcohol was defined as 6.93 calories, and a serving weight was defined as 14.02 grams/drink. For the SAA, the midpoint of the range defined in each drink question was used in calculations (e.g. 2-4 drinks per week would use the midpoint of 3). By looking at the answer to all three questions on the SAA, and tallying the cumulative amount of alcohol consumed, a more accurate assessment is calculated. In addition, the variable WKDRINK that calculated the number of drinks per week was preserved so that different categories could be created if needed.
Please note that at Visit 9, both the FFQ and Self-A version of the alcohol use questions were asked. The variable ALC4FFQ9 represents alcohol intake reported by FFQ participants. ALC4CAT values are also available for Visit 9.

Life Events (EVNTVRY, EVNTCAT, EVNTNUM) were obtained on the SAA from Baseline 00 through Follow Up Visit 15 (not including interim visit 11 and visit 14). This scale included 34 questions at Visit 00, 20 questions at Visits 01-03, and 18 questions at Visits 04-15; the questions prior to Visit 03 were truncated so that a maximum of 18 questions were used to score the total number of life events (EVNTNUM0 to EVNTNUM13). The summary scores for this scale counted the number of "very upsetting" or stressful life events (EVNTVRY), which also ranged from 0 to 18. Additionally, this variable was reduced to a three-categorical "very upsetting" or stressful life events variable (EVNTCAT), which were classified as follows: 0 = no very upsetting/stressful life events; 1 = 1 very upsetting/stressful life event; and 2 = 2 or more very upsetting/stressful life events. For these scales, a score

is calculated if at least 14 of the 18 items were completed. While the response category of "Yes, very upsetting and still very upsetting" was added at Visit 01, it did not impact any of the Life Events summary scores, since it also counted as a "very upsetting" life event.

Mistreatment and Discrimination Scale Factors were obtained on the SAA from Baseline (Visit 00) Follow Up Visits 01-03, 07 and 10. These scores were calculated according to the reference, Guyll M, Matthews KA, Bromberger JT, *Healthy Psychology*, 2001, 20(5):315-25. All responses were reversed so that items are positively scored, then two factors (Subtle and Blatant) were created. The items were framed in general terms of poor interpersonal treatment and made no reference to race, prejudice or discrimination. Additionally, a Mistreatment Discrimination Reason variable was created for tracking purposes.

o   Mistreatment Subtle Factor (MISTRSU) was calculated from six questions that are averaged and can range from 1.0 to 4.0. A higher score indicates more frequent experience of subtle or less overt forms of mistreatment/discrimination. For this scale, a score is calculated if at least 5 of the 6 items were completed.

o   Mistreatment Blatant Factor (MISTRBL) was calculated from four questions that are averaged and can range from 1.0 to 4.0. A higher score indicates more frequent experience of blatant or severe forms of mistreatment/discrimination. For this scale, a score is calculated if at least 3 of the 4 items were completed.

o   Mistreatment/Discrimination Reason (MISTRRE) was coded as "Yes(1)" if the participant had either a Subtle or Blatant factor and had answered "Often" or "Sometimes" to any of the ten Mistreatment Discrimination questions, and thus was expected to complete the remaining items indicating the reason(s) for interpersonal mistreatment and discrimination. Note: At the Baseline Visit, a participant was only able to choose one main reason, while at the Follow up Visits (01, 02, 03 & 07) multiple reasons could be chosen.

Passive Smoking (PSMK, PSMKBIN, PSMKCAT, PSMKHOM) was obtained on the SAA at Baseline, Follow Up Visits 03, 07, 08, and 09. This scale includes 7 questions and was scored according to Coghlin J, Hammond SK, Gann PH, *Am J Epidemiol*, 1989, 130(4):696-704. Person-hours of passive smoke exposure during a typical week were calculated for home, work, and other environments (restaurants, bars, parties, etc.). The home, work, and other exposure scores were summed to provide total person-hours of passive smoke exposure per week (PSMK). This overall score was used to create a binary variable (PSMKBIN: 0 = none, 1 = any exposure) and a categorical variable (PSMKCAT: 0 = 0, 1 = 1-4, 2 = 5+ person-hrs).

o   Passive Smoking – Home (PSMKHOM) was obtained as part of overall passive smoking as noted above (Baseline, V03, V07-V09), and as the only passive smoking score collected on the SAA at Follow up Visits 04, 06, 08, and 10-13. This measure includes the 3 home exposure questions from the Passive Smoking Scale. These 3 questions were scored to provide total person-hours of passive smoke exposure per week in the home.

Sleep Problems (SLEPSUM, SLEPBIN) was obtained on the SAA from Baseline through Follow up Visit 16. This scale includes the 3 primary items regarding sleeping habits in the last two weeks; and was calculated according to work by Kravitz H, et al in a SWAN manuscript that is in preparation for publication. The participant had to complete all 3 items in order to have the summary scores. The continuous score (SLEPSUM#) ranged from 0-12, where a higher score indicates greater sleep problems. From this a binary score (SLEPBIN#) was created such that 0 = problems sleeping '1-2 times per week' or less in the past 2 weeks; and 1 = problems sleeping '3-4 times per week' or more in the past 2 weeks.

Somatosensory Amplification Scale (SYMPSEN) was obtained on the SAA at Follow Up Visits 01, 02, 03, and 09. The scale includes 5 questions and was scored according to Barsky AJ et al, *Psychosomatic Medicine*, 1988, 50(5):510-519. The 5 items were rescaled and summed to create a total symptom sensitivity score, ranging from 0-20. Higher scores indicate more sensitivity.

Vasomotor Variables (VMSANY, VMSFREQ, VMSCAT) were calculated to consistently characterize VMS symptoms in 3 different ways. The VMSANY variables were set to 1 if any hot flashes/night sweats were evident. The VMSFREQ variables were set if the frequency was >= 6 days over that past 2 weeks. The VMSCAT variables were classified as follows: 0: None, 1: 1-5 days over the past 2 weeks, and 2: >= 6 days over the past 2 weeks.

Employment (EMPLOYED) A longitudinal "employment status" variable (EMPLOYED) was created based on a woman's response to the employment question at baseline (JOB), and then updated at subsequent visits (if she had interview data for that visit) if she reported a change since her last visit. This variable is coded as "1" for unemployed, and "2" for employed. If a woman was missing a response to the question at baseline (n=10), her job status was updated from the source datasets at baseline (WORK). In addition, the Self-A variable EMPLYPA# (Are you currently employed for pay?) that is present in Visits 01-06, and Visit 08, and the variable WRKEXPD# (During the past 7 days, on how many days were you exposed to tobacco smoke while at work?) at Visits 00, 03, 07, and 09 were used to get a better picture of employment.

Notes of caution when using this variable:
If a woman was not in the interview data set for a visit, then she did not get an employment status variable for that visit, even though she may have a value for subsequent visits when she did complete an interview. **This variable assumes that the question asking about change in job since last study visit is referring to the last visit for which we have interview data on that woman.**

At every visit after baseline, women were asked in the interview "Since your last study visit, has there been a change in any of your jobs, that is where you work, the usual hours you worked, or your usual job tasks?"
o   If she responded "Yes" to that question, then she was asked if, during the past two weeks, she worked at a job or business, including work for pay performed at home, and also including unpaid work at a family farm or business (JOB). If a woman was on vacation during the past 2 weeks, or on scheduled leave or sick leave, she was to answer as though she was at her usual job.
o   If she responded "No" to that question, the variable regarding working status during the past two weeks (JOB) would be skipped and assigned as not applicable (.B). The variable about total hours worked per week for pay (HOURSPA) were only asked starting at visit 4, and we classify a women as employed if she reports working hours larger than 10. If she responded working hours smaller or equal to 10, her working status (JOB) at this visit was recoded the same with her last visit.

Smoking (SMOKESTATUS and FLAGSMOKE) were created for all visits. SMOKESTATUS uses the SMOKING variable at each visit to categorize participants as current, past only, or never smokers. FLAGSMOKE tags observations with missing smoking data. Retention was also taken into account in these variables; if a participant was deactivated or deceased in a specific visit, then smoking information will be missing for the participant in that visit.

Race/ Ethnicity (RACE) Participant race/ethnicity is provided from the Screener dataset, coded as:
    1= Black
    2= Chinese/Chinese American
    3= Japanese/Japanese American
    4= White Non-Hispanic
    5= Hispanic

Study site (SITE) Participant study site is provided from the Screener dataset, coded as:
    11= Detroit, MI
    12= Boston, MA
    13= Chicago, IL
    14= Oakland, CA
    15= Los Angeles, CA
    16= Newark, NJ
    17= Pittsburgh, PA

Additional Notes:
•   Visit 09 pulled summary scores from two different forms – the Follow up Interview and the Self-Administered Questionnaire Part A. If one of the forms was not present, the summary scores for that participant pulled from that form were missing. In addition, one site began collecting data again at Visit 09 after a gap of several visits using primarily the abbreviated follow up interview that did not include a good many scores that are present in the LSB dataset.
•   Not all scales created in this dataset have a published reference on which they were based. Nonetheless, the summary scores that have been created are provided to facilitate consistence across future SWAN manuscripts and presentations. Thus, use of these particular summary scores is encouraged by the Coordinating Center rather than the creation of new scales by individual investigators unless absolutely necessary.
•   The number of women who completed each visit and each set of questions will vary. The SAS missing value (.) is used when a woman has not completed or does not have enough data to score a particular questionnaire.

LSB LONGITUDINAL DATASET MEASURES BY VISIT

SCALE (LSB Longitudinal)	# Items	V00	V01	V02	V03	V04	V05	V06	V07	V08	V09	V10	V11	V12	V13	V14	V15	V16
Life Events (18 primary Q.)	variable	SAA	SAA	SAA	SAA	SAA	SAA	SAA	SAA	SAA	SAA	SAA		SAA	SAA		SAA	
Mistreatment/ Discrimination	10+10	SAA	SAA	SAA	SAA				SAA			SAA						
Somatosensory Amplification Scale	5*		SAA	SAA	SAA						SAA							
Passive Smoking – all (home, work, other)	7	SAA			SAA				SAA	SAA	SAA							
Passive Smoking - home only	3**		SAA	SAA								SAA		SAA	SAA		SAA	
Sleep (base Q, i.e. asked at every visit)	3	SAA	SAA	SAA	SAA	SAA	SAA	SAA	SAA	SAA	SAA	SAA		SAA	SAA		SAA	BVSA
Alcohol use	4 (SAA)	FFQ	SAA	SAA	SAA	SAA	FFQ	SAA	SAA	SAA	SAA&FFQ	SAA		SAA	SAA		SAA	BVSA
Alcohol use - 4 category new score	4 (SAA)	FFQ	SAA	SAA	SAA	SAA	FFQ	SAA	SAA	SAA	SAA&FFQ	SAA		SAA	SAA		SAA	BVSA
Vasomotor Symptoms (VMS)	2	SAA	SAA	SAA	SAA	SAA	SAA	SAA	SAA	SAA	SAA	SAA	IRM	SAA	SAA	IRM	SAA	BVSA
Employment	4	INT	INT	INT	INT	INT	INT	INT	INT	INT	INT	INT	INT	INT	INT		INT	
Smoking Score			SAA	SAA	SAA	SAA	SAA	SAA	SAA	SAA	SAA	SAA	IRM	SAA	SAA		SAA	BVSA

*Somatosensory scale is normally 10-items
**Passive smoking done for home only for visits 01-02, 10, 12-13, 15

QUESTIONS FROM DATA COLLECTION FORMS ON WHICH CREATED VARIABLES BASED

n attached to the variable name indicates a visit number:

ALCOHOL USE:
The following questions were used to construct the ALCHCAT, ALC4CAT and WKDRINK variables:

The next questions are about your consumption of alcoholic beverages.

Since your last study visit, did you drink any beer, wine, liquor, or mixed drinks? **DRNKBEEn**

No...1   **(GO TO…, PAGE…)**
Yes 2

How many glasses of beer (a medium glass or serving of beer is twelve ounces) did you drink on average per day, week or month? (PLEASE CIRCLE ONLY ONE RESPONSE.) **GLASBEEn**

None or less than one per month..1
1-3 per month...2
1 per week..3
2-4 per week...4
5-6 per week...5
1 per day...6
2-3 per day 7
4 per day...8
5 or more per day 9

How many glasses of wine or wine coolers, (a medium glass or serving of wine is 4 to 6 ounces), did you drink on average per day, week or month? (CIRCLE ONE NUMBER)   **GLASWINn**

None or less than one per month..1
1-3 per month...2
1 per week..3
2-4 per week...4
5-6 per week...5
1 per day...6
2-3 per day 7
4 per day...8
5 or more per day 9

How many glasses of liquor or mixed drinks, (a medium serving is one shot), did you drink on average, per day, week or month? (CIRCLE ONE NUMBER)   **GLASLIQn**

None or less than once per month...1
1-3 per month...2
1 per week..3
2-4 per week...4
5-6 per week...5
1 per day...6
2-3 per day 7
4 per day...8
5 or more per day 9

LIFE EVENTS:
The following questions were used to construct the EVNTCAT, EVNTNUM, and EVNTVRY variables:

These next questions ask about events that we sometimes experience in our lives. **Since your last study visit,** have you experienced any of the following: If you have not, circle 1 (NO). If you have, indicate how upsetting it was by circling 2, 3 4 or 5. (PLEASE CIRCLE ONE ANSWER FOR EACH QUESTION.)

		NO	YES Not at all upsetting	YES Somewhat upsetting	YES Very upsetting	YES Very upsetting and still upsetting
a.	Started school, a training program, or new job? **STARTNEn**	1	2	3	4	5
b.	Had trouble with a boss or conditions at work got worse? **WORKTRBn**	1	2	3	4	5
c.	Quit, fired or laid off from a job? **QUITJOBn**	1	2	3	4	5
d.	Took on a greatly increased work load at job? **WORKLOAn**	1	2	3	4	5
e.	Husband/partner became unemployed? **PRTUNEMn**	1	2	3	4	5
f.	Major money problems? **MONEYPRn**	1	2	3	4	5
g.	Relations with husband/partner changed for the worse but without separation or divorce? **WOSRELRn**	1	2	3	4	5
h.	Were separated or divorced or a long-term relationship ended? **RELATENn**	1	2	3	4	5
i.	Had a serious problem with child or family member (other than husband/partner) or with a close friend? **SERIPROn**	1	2	3	4	5
j.	A child moved out of the house or left the area? **CHILDMOn**	1	2	3	4	5
k.	Took on responsibility for the care of another child, grandchild, parent, other family member or friend? **RESPCARn**	1	2	3	4	5

		NO	YES Not at all upsetting	YES Somewhat upsetting	YES Very upsetting	YES Very upsetting and still upsetting
l.	Family member had legal problems or a problem with police? **LEGALPRn**	1	2	3	4	5
m.	A close relative (husband/partner, child or parent) died? **CRELDIEn**	1	2	3	4	5
n.	A close friend or family member <u>other than</u> a husband/partner, child or parent died? **CLOSDIEn**	1	2	3	4	5
o.	Major accident, assault, disaster, robbery or other violent event happened to yourself? **SELFVIOn**	1	2	3	4	5
p.	Major accident, assault, disaster, robbery or other violent event happened to a family member? **FAMLVIOn**	1	2	3	4	5
q.	Serious physical illness, injury or drug/alcohol problem in family member, partner or close friend? **PHYSILLn**	1	2	3	4	5
r.	Other major event not included above? **MAJEVENn**	1	2	3	4	5
	Specify: **SPECEVNn**					

_____

MISTREATMENT / DISCRIMINATION:
The following questions were used to construct the MISTRBL, MISTRRE, and MISTRSU variables:

The following section will ask you about personal feelings. These questions are important, as our feelings may directly affect our health or influence how we respond to health issues.

In your day-to-day life have you had the following experiences: (CIRCLE ONE NUMBER FOR EACH.)

	Often	Sometimes	Rarely	Never
a. You are treated with less courtesy than other people. **COURTESn**	1	2	3	4
b. You are treated with less respect than other people. **RESPECTn**	1	2	3	4
c. You receive poorer service than other people at restaurants or stores. **POORSERn**	1	2	3	4
d. People act as if they think you are not smart. **NOTSMARn**	1	2	3	4
e. People act as if they are afraid of you. **AFRAIDOn**	1	2	3	4
f. People act as if they think you are dishonest. **DISHONSn**	1	2	3	4
g. People act as if they're better than you are. **BETTERn**	1	2	3	4
h. You or your family members are called names or insulted. **INSULTEn**	1	2	3	4
i. You are threatened or harassed. **HARASSEn**	1	2	3	4
j. People ignore you or act as if you are not there. **IGNOREDn**	1	2	3	4

> **IF YOU ANSWERED "OFTEN" OR "SOMETIMES", TO ANY STATEMENTS ABOVE, PLEASE ANSWER QUESTIONS BELOW.**

Were any of the following reasons why you "sometimes" or "often" had these experiences? (CIRCLE ONE NUMBER FOR EACH.)

		NO	YES
a. Race	**BCRACEn**	1	2
b. Ethnicity	**BCETHNn**	1	2
c. Gender	**BCGENDRn**	1	2
d. Age	**BCAGEn**	1	2
e. Income Level	**BCINCMLn**	1	2
f. Language	**BCLANGn**	1	2
g. Body Weight	**BCWGHTn**	1	2
h. Physical Appearance (other than body weight)	**BCPHAPPn**	1	2
i. Sexual Orientation	**BCORIENn**	1	2
j. Other, Specify:	**OTHEREXn, OTHRSPEn**	1	2

PASSIVE SMOKING:
The following questions were used to construct the PSMK, PSMKBIN, PSMKCAT and PSMKHOM variables:

The next 7 questions are about your exposure to smoke. If you are a smoker, please do <u>not</u> include yourself when answering questions.

How many members of your household smoke tobacco in the house (at least 1 cigarette, cigar or pipe bowl per day)?

   ___ # PERSONS   **HHMEMSMn**

  During the <u>past 7 days</u>, on how many days were you exposed to tobacco smoke <u>inside your home</u>?

  ___# DAYS => IF 0 DAYS, GO TO QUESTION…..   **HOMEXPDn**

  Over the past 7 days, when you were exposed to tobacco smoke <u>in your home</u>, how many hours were you exposed during a typical day?

   ___ # HOURS   **HOMEXPHn**

During the past 7 days, on how many days were you exposed to tobacco smoke <u>while at work</u>?

   ___ # DAYS => IF 0 DAYS, GO TO QUESTION…..   **WRKEXPDn**

  Over the past 7 days, when you were exposed to tobacco smoke <u>while at work</u>, how many hours were you exposed during a typical day?

   ___ # HOURS   **WRKEXPHn**

  During the past 7 days, when you were exposed to tobacco smoke <u>while at work</u>, how many people on average were smoking in the room you were in?

   ___ # PEOPLE   **WRKEXPEn**   **(PEWRKSM3 at V03)**

During the past 7 days, how many total hours were you exposed to tobacco smoke while at places other than home or work (including meetings, restaurants, bars, parties, etc.)?

   ___ # HOURS   **TOTEXPHn**   **(OTHEXPH3 at V03)**

SLEEP PROBLEMS:
The following questions were used to construct the SLEPBIN and SLEPSUM variables:

These questions (a - c) are about your sleep habits <u>over the past two weeks</u>. Please circle <u>one</u> answer for each of the following questions. Pick the answer that best describes how often you experienced the situation in the <u>past 2 weeks</u>.

In the past two weeks...	No, not in the past 2 weeks	Yes, less than once a week	Yes, 1 or 2 times a week	Yes, 3 or 4 times per week	Yes, 5 or more times a week
TRBLSLEn					
a. Did you have trouble falling asleep?	1	2	3	4	5
b. Did you wake up several times a night? **WAKEUPn**	1	2	3	4	5
c. Did you wake up earlier than you had planned to, and were unable to fall asleep again? **WAKEARLn**	1	2	3	4	5

SOMATOSENSORY AMPLIFICATION SCALE:
The following questions were used to construct the SYMSEN variable:

The next question deals with how you respond to your physical senses. For each item, please indicate the degree to which each statement is TRUE OF YOU in general.

Please circle the number that corresponds to your answer for each statement below:

(CIRCLE ONLY ONE ANSWER FOR EACH QUESTION)

	Not at all True	A little bit true	Moderately true	Quite a bit true	Extremely true
a. I am often aware of various things happening within my body. **AWAREBOn**	1	2	3	4	5
b. Sudden loud noises really bother me. **NOISESn**	1	2	3	4	5
c. I hate to be too hot or too cold. **HOTCOLDn**	1	2	3	4	5
d. I am quick to sense the hunger contractions in my stomach. **HUNGERn**	1	2	3	4	5
e. I can't stand pain. **STNDPAIn**	1	2	3	4	5

VMS Variables Visits 0 -6 Note: greyed-out variables were not used.
The following questions were used to construct the VMSANY, VMSCAT and VMSFREQ variables at Visits 0-6:

The following questions are about specific health problems you may have had over the past two weeks.

D1.   Below is a list of common problems which affect us from time to time in our daily lives. Thinking back over the <u>past two weeks</u>, please circle the number corresponding to how often you experienced any of the following.

How often have you had...		**Not at all**	**1-5 days**	**6-8 days**	**9-13 days**	**Every day**
a.	Stiffness or soreness in joints, neck or shoulder? STIFFn	1	2	3	4	5
b.	Back aches or pains? ACHESn	1	2	3	4	5
c.	Cold sweats? COLDSWEn	1	2	3	4	5
d.	Night sweats? **NITESWEn**	1	2	3	4	5
e.	Vaginal dryness? VAGINDRn	1	2	3	4	5
f.	Feeling blue or depressed? FEELBLUn	1	2	3	4	5
g.	Dizzy spells? DIZZYn	1	2	3	4	5
h.	Irritability or grouchiness? IRRITABn	1	2	3	4	5
i.	Feeling tense or nervous? NRVOUSn	1	2	3	4	5
j.	Forgetfulness? FORGETn	1	2	3	4	5
k.	Frequent mood changes? MOODCHGn	1	2	3	4	5
l.	Heart pounding or racing? HARTRACn	1	2	3	4	5
m.	Feeling fearful for no reason? FEARFULn	1	2	3	4	5
n.	Headaches? HDACHEn	1	2	3	4	5
o.	Hot flashes or flushes? **HOTFLASn**	1	2	3	4	5
p.	Breast pain/tenderness? BRSTPAIn	1	2	3	4	5

The following questions are about specific health problems you may have had over the past two weeks.

Thinking back over the past two weeks, how often have you had…

C1.   Hot flashes or flushes? (CHECK ONE BOX AND ANSWER THE NEXT QUESTIONS AS INSTRUCTED.)

☐ **Not at all** (1) **(GO TO C2)**   **HOTFLASn**

☐ **1-5 days** (2)

☐ **6-8 days** (3)

☐ **9-13 days** (4)

☐ **Every day** (5)

> C1a. On the days that you have hot flashes or flushes, how many times each day do you usually have them?
>
> NUMBER OF TIMES PER DAY: ___ ___   **(GO TO C1b)**
>
>   **NUMHOTFn**
>
> C1b. How much are you usually bothered by hot flashes or flushes? (CIRCLE ONE NUMBER.)   **BOTHOTFn**
>
> > Not at all.. 1
> > Very little 2
> > Moderately 3
> > A lot... 4

One question intervening (C2)

Thinking back over the past two weeks, how often have you had…

C3.   Night sweats? (CHECK ONE BOX AND ANSWER THE NEXT QUESTIONS AS INSTRUCTED.)

☐ **Not at all** (1) **(GO TO C4)**   **NITESWEn**

☐ **1-5 days** (2)

☐ **6-8 days** (3)

☐ **9-13 days** (4)

☐ **Every day** (5)

> C3a. On the days that you have night sweats, how many times each night do you usually have them?
>
> NUMBER OF TIMES PER NIGHT: ___ ___   **(GO TO C3b)**
>
>   **NUMNITSn**
>
> C3b. How much are you usually bothered by night sweats? (CIRCLE ONE NUMBER.)   **BOTNITSn**
>
> > Not at all.. 1
> > Very little 2
> > Moderately 3
> > A lot... 4

EMPLOYMENT STATUS: *Note: greyed-out variables were not used.*
The following questions were used to construct the EMPLOYED variable:

OCCUPATIONAL QUESTIONS

These next few questions concern employment. I'm going to ask you to tell me about any <u>changes</u> in your employment <u>since your last study visit</u>.

D1. Since your last study visit, has there been a change in any of your jobs, that is: your place of employment, your job title, or your usual job tasks? **CHNGJOBn**

    NO .... 1 **(D3)**
    YES 2
    N/A .... -1 **(D6)**

D2. During the <u>past 2 weeks</u>, did you work at any time at a job or business, including work for pay performed at home? (Include unpaid work in the family farm or business. If you were on vacation, or scheduled leave or sick leave, please answer as though you were at your usual job.) **JOBn**

    NO .... 1 **(D6)**
    YES 2

   a.   For each paid job you have had in the last two weeks, what was your job title?

         JOBTIT1n
         JOB #1 _____

         JOBTIT2n
         JOB #2 _____

         JOBTIT3n
         JOB #3 _____

   b.   Briefly, what are your usual job activities?
         [IF MORE THAN ONE JOB WAS MENTIONED, ASK: Please answer for each job.]

         JOBACT1n
         JOB #1 _____

         _____

         JOBACT2n
         JOB #2 _____

         _____

         JOBACT3n
         JOB #3 _____

         _____

   c.   What does the company or your part of the company, do or make? (For example, high school education, health care in hospital, automobile manufacturing, state labor department, retail shoe sales.)
         [IF MORE THAN ONE JOB WAS MENTIONED, ASK: Please answer this for each job.]

         JBMAKE1n
         JOB #1 _____

         JBMAKE2n
         JOB #2 _____

         JBMAKE3n
         JOB #3 _____

D3. Since your last study visit, has there been a change in your usual hours of work of any of your jobs? **CHANGHRn**

    NO .... 1 **(D5)**
    YES 2

D4. What are your usual hours of work each day for each job?

                                            STRTIM1n
JOB #1:   START TIME: ___ ___ : ___ ___   A.M. 1.   P.M. 2.
                                              STPTIM1n
                STOP TIME: ___ ___ : ___ ___   A.M. 1.   P.M. 2.

                ROTATING/ALTERNATING (ALTERNATING WEEKLY/MONTHLY) **ROTAT1n**
                NO 1
                YES... 2
                                            STRTIM2n
JOB #2:   START TIME: ___ ___ : ___ ___   A.M. 1.   P.M. 2.
                                              STPTIM2n
                STOP TIME: ___ ___ : ___ ___   A.M. 1.   P.M. 2.

                ROTATING/ALTERNATING (ALTERNATING WEEKLY/MONTHLY) **ROTAT2n**
                NO 1
                YES... 2
                                              STRTIM3n
JOB #3:   START TIME: ___ ___ : ___ ___   A.M. 1.   P.M. 2.
                                              STPTIM3n
                STOP TIME: ___ ___ : ___ ___   A.M. 1.   P.M. 2.

                ROTATING/ALTERNATING (ALTERNATING WEEKLY/MONTHLY) **ROTAT3n**
                NO 1
                YES... 2

D#. On average, how many total hours a week do you work, for pay?   **HOURSPAn**

    ≤ 10.. 1
    11-19 2
    20-34 3
    35-40 4
    41-60 5
    >60.. 6

AND ADDITIONALLY, FROM THE SELF-A QUESTIONNAIRE:

B10. **During the past 7 days**, on how many days were you exposed to tobacco smoke <u>while at work</u>?

    ___ # DAYS (IF ZERO DAYS, GO TO QUESTION B11.)   **WRKEXPDAn**

H1. Are you currently employed for pay?

                                              EMPLYPAn
    No...1   (GO TO H2)
    Yes 2

SMOKING STATUS:

The following questions were used to construct the FLAGSMOKE and SMOKESTATUS variables:

The next several questions are about your lifestyle and habits.   Please give only one answer to each of the following questions.

B.11. Have you ever smoked a total of at least 20 packs of cigarettes over your lifetime or at least 1 cigarette per   day for at least 1 year?   **SMOKEREn**

> 1. NO (GO TO THE SENTENCE BEFORE QUESTION B.12 ON THE NEXT PAGE)
> 2. YES
> -8. DON'T KNOW (GO TO THE SENTENCE BEFORE QUESTION B.12 ON THE NEXT PAGE)

   B.11.1.   At what age did you start smoking cigarettes? __ __ YEARS   **STRTSMOn**

  B.11.2. On the average, since you started smoking, how many <u>cigarettes</u> did you smoke per day?

> __ __ __   CIGARETTES PER DAY   **AVCIGDAn**
>
> -8   DON'T KNOW

  B.11.3. Do you smoke cigarettes now?   **SMOKENOn**

> 1. NO
> 2. YES   (GO TO QUESTION B.11.5)
> -8. DON'T KNOW(GO TO THE SENTENCE BEFORE QUESTION B.12)

  B.11.4. At what age did you stop?   **STOPSMOn**

> __ __ YEARS

Note: Variables from the Interview questionnaire above are redefined in the smokestatus variable as follows:
- <u>Current smoking:</u> answered "yes" to question B.11 above (SMOKEREn) and "yes" to B.11.3 (SMOKENOn).
- <u>Past smoking:</u> answered "yes" to question B.11 (SMOKEREn) but "no" to B.11.3 (SMOKENOn).
- <u>Never smoked:</u> answered "no" to question B.11.

LISTING OF CREATED VARIABLES IN THE DATASET

Variable	Label	Code
ALC4CAT	Alcohol Use - 4 category	0: Abstain 1: Infrequent (<2x/wk) 2: Light/Mod (2-7/wk) 3: Heavy (>7/wk)
ALC4FFQ9	FFQ Alcohol Use - 4 cat	0: Abstain 1: Infrequent (<2x/wk) 2: Light/Mod (2-7/wk) 3: Heavy (>7/wk)
ALCHCAT	Alcohol Use	0: <1 a month 1: Moderate (>1/mo < 2x/wk) 2: High (>2x/wk)
ALCHFFQ9	FFQ Alcohol Use	0: <1 a month 1: Moderate (<0.3 servings) 2: High (>=0.3 servings)
EMPLOYED	Employment status	1: Unemployed 2: Employed
EVNTCAT	Categ Life Events	0: No Stressful Life Ev 1: 1 Stressful Life Ev 2: >=2 Stressful Life Ev
EVNTNUM	Total Life Events (0-18)	
EVNTVRY	Total Very Upsetting Life Events (0-18)	
MISTRBL	Mistreatment/Discrimination - Blatant Factor	
MISTRRE	Gave Reason for Mistreatment/Discrimination	0: No Reason 1: Yes
MISTRSU	Mistreatment/Discrimination - Subtle Factor	
PSMK	Person-Hrs Passive Smoking	
PSMKBIN	Binary Passive Smoking	0: None 1: Any Exposure
PSMKCAT	Categ Passive Smoking	0: None 1: 1-4 Person-hrs /wk 2: 5+ Person-hrs /wk
PSMKHOM	Person-Hrs Home Passive Smoke Exposure	
SLEPBIN	Binary Sleep Problem	0: Prob Sleep <= 1-2x/wk 1: Prob Sleep >= 3-4x/wk
SLEPSUM	Sleep Problem Summary (0-12)	
SYMPSEN	Symptom Sensitivity Summary Score (0-20)	
VMSANY	Any VMS	0: None 1: >=1 Hot Flashes
VMSCAT	Categorical VMS	0: None 1: 1-5 days past 2 wks
VMSFREQ	Freq VMS	0: No 1: Yes, >= 6 days past 2 wks
WKDRINK	Alcohol # drinks/wk	
flagsmoke	Missing smoking information	1: Missing Info
smokestatus	Smoking Status	1: Never Smoked 2: Past Smoker 3: Current Smoker