Health Assessment Survey (HAS) for Cohort 1 and Cohort 2
341+ Variables in 25 Sections A to X as documented
on the 3-18-96 Coded Baseline HAS
Additional Post, 1 Year, and 2 Year HAS Scores are Also Included

Scoring Rating Scales, Computing Numerical Scores, and Recoding Variables
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I. Scoring Rating Scales and Computing Numerical Scores

Section B: Health Risk Behavior: General Health 1: 3 Rating Scale Scores

Score Number	Variable Name	Score Calculation	Score Description
1	HRBSUM11	sum(sbelt1 to stero1)	Health Risk Behaviors on 6 dimensions: seat belt, helmet, drinking and driving, excessive drinking, steroid use
2	SAFETY1	sum (sbelt1, helmt1)	Health Risk Behaviors related to driving safely (wear helmet and seatbelt)
3	DRNKDRV1	sum (ride1, drive1)	Health Risk Behaviors related to drinking and driving

Section C: Physical Activity During High School and College: 5 Scores:
1 Rating Scale Score (#1) and 4 Numerical Scores (# 2 - 5)

Score Number	Variable Name	Score Calculation	Score Description
1	HSACTIV	sum (modhs1, vighs1)	Number of times a week participated in moderate and vigorous activity in high school
2	COMPYRS	sum (tmyr11, tmyr21 ,tmyr31)	Total number of years in college participated in competitive sports
3	RECYRS	sum (sptyr11, sptyr21, sprty31)	Total number of years in college participated in recreational sports
4	TOTCOLYR	sum (tmyr11, tmyr21 ,tmyr31, sptyr11, sptyr21, sprty31)	Total number of years in college participated in competitive and recreational sports.
5	COLYRS	sum (regclt1 to regclp1)	Total number of years in college participate in various sports activities—league sports, exercise classes, individual activities, strength training, and pick-up sports—on a regular basis.

Section D: Physical Activity Stages: 2 Rating Scale Scores

Score Number	Variable Name	Score Calculation	Score Description

1	EXSTAGE1	if (exnow1 eq 0 and exstrt1 eq 0) exstage1 = 1.
		if (exnow1 eq 0 and exstrt1 eq 1) exstage1 = 2.
		if (exnow1 eq 1 and exreg1 eq 0) exstage1 = 3.
		if (exreg1 eq 1) exstage1 = 4.
		if (exreg1 eq 1 and exreg61 eq 1) exstage1 = 5.
			5 point Stage of Change calculation for Regular Exercise: 1= Precomtemplation, 2 = Contemplation, 3 = Preparation, 4 = Action, 5 = Maintenance

2	PASTAGE1	if (panow1 eq 0 and pastrt1 eq 0) pastage1 = 1.
		if (panow1 eq 0 and pastrt1 eq 1) pastage1 = 2.
		if (panow1 eq 1 and pareg1 eq 0) pastage1 = 3.
		if (pareg1 eq 1) pastage1 = 4.
		if (pareg1 eq 1 and pareg61 eq 1) pastage1 = 5.
			5 point Stage of Change calculation for Regular Physical Activity: 1= Precomtemplation, 2 = Contemplation, 3 = Preparation, 4 = Action, 5 = Maintenance

Section E: National Health Interview Survey: 2 Numerical Scores

Score Number	Variable Name	Score Calculation	Score Description
1	TOTWK1	((walkm1*walk1)/2)	NHIS minutes walked in one week
2	DAYSWK1	(walk1/2)	Number of days walked in one week

Section F: Paffenbarger Items: 2 Numerical Scores

Score Number	Variable Name	Score Calculation	Score Description
1	WALKTOT1	sum (walkal1 to wlkx1)	Total number of minutes in a week spent in 4 walking activities
2	LIFWLK1	sum (walkal1 to wlker1)	Total number of minutes in a week spent in everyday walking to and from work, on breaks, doing errands

Section G: Health Risk Behavior: Sports in Past 7 Days: 1 Rating Scale Score

Score Number	Variable Name	Score Calculation	Score Description
1	HRBSUM21	sum(strech1 to sport1)	Health Risk Behaviors measuring total number of days spent stretching, toning, house cleaning, and sports activities.

Section H: TV Viewing Per Week: 1 Numerical Score

Score Number	Variable Name	Score Calculation	Score Description
1	TVPERWK1	((tvwkd1 * 5) + (tvwke1*2))	Hours per week spend viewing TV

Section I: Activities in the Past Two Weeks: 53 Numerical Scores

Score Number	Variable Name	Score Calculation	Score Description
1-26	WALKSCR1 to HOUSSCR1 and OTRSCR1	WALKSCR1 =((wlk21 * wlkm1)/2) JOGSCR1 = ((jog21 *jogm1)/2) to HOUSSCR1 = ((house21* housem1)/2), and OTRSCR1 = ((oth21*otrm1)/2)	Total amount number of minutes spent in each of 25 activities per week, and 'other activity' score
27	ACTSUM1	(sum (walkscr1 to housscr1))	Total number of minutes spent doing any of 25 activities in a week, does not include otrscr1
28-52	WALKKKD1 to HOUSKKD1	WALKKD1 = (walkscr1 / 420) * 4 to HOUSKKD1 = (housscr1 / 420) * 3.5	Hours per day (7 * 60 = 420) in 25 activities weighted by MET values
53	KKDACTS1	Sum (WALKKD1 to HOUSKKD1)	Total KKD across 25 activities

Combined Section F: Paffenbarger Items and Section I: Activities in the Past Two Weeks

54	LIFACT1	Sum (lifwlk1, gardscr1, and housscr1)	Total number of minutes doing lifestyle activities per week: Paffenbarger lifestyle walking, gardening, and housework

Section J: Enjoyment: 2 Rating Scale Scores

Score Number	Variable Name	Score Calculation	Score Description
1	ENJSUM1	sum (renj1, bore1, dislik1, rpleas1, rabsor1, nofun1, renerg1, depres1, rpleasn1, rfeelg1, rinvig1, frust1, rgrat1, rexhil1,nostim1, raccom1, rrefres1, doelse1)	Total Enjoyment Score on 18 items 1- 7 scale, 11 items reverse-scale recoded
2	ENJAVG1	ENJSUM1 / Number of Items (18)	Total Enjoyment Score on 7-point (1-7) scale across 18 items

Section K: Home Equipment: 1 Rating Scale Score

Score Number	Variable Name	Score Calculation	Score Description
1	HOMEQ1	sum (statq1 to skis1)	Total Home Equipment Score on 15 items on Yes-No scale, does not include SWSCU1 from the Cohort 2 survey only

Section M: Neighborhood: 2 Rating Scale Scores

Score Number	Variable Name	Score Calculation	Score Description
1	NHOOD11	sum (sidew1, rtrafc1, rhills1, light1, rdogs1, scene1, people1, rcrime1, safe1, rnhood1)	Total Neighborhood score, 10 items: sidewalks to crime, safe, residential (no SES)
2	NHOOD81	sum (sidew1, rtrafc1, rhills1, light1, rdogs1, scene1, people1, rcrime1)	Neighborhood score, 8 items: sidewalks to crime

Section N: Convenience Facilities: 1 Rating Scale Score

Score Number	Variable Name	Score Calculation	Score Description
1	CONVSCR1	sum(studio1 to studda1)	Total number of facilities conveniently located, 18 Yes-No items

Section O: Work Facilities: 1 Rating Scale Score

Score Number	Variable Name	Score Calculation	Score Description
1	WORKSCR1	sum (workex1 to stairp1, wktme1)	Total number of facilities at work, 9 Yes-No items

Sections K, M, N, O: All Environmental Items: 2 Rating Scale Scores

Score Number	Variable Name	Score Calculation	Score Description
1	ENVSUM11	sum (statq1 to skis1, sidew1, rtrafc1, rhills1, light1, rdogs1, scene1, people1, rcrime1, safe1, rnhood1, studio1 to stairp1, wktme1)	Sum of all environmental items: home equipment, neighborhood, convenience facilities, work facilities, 52 items (no SES)
2	ENVSUM21	sum (statq1 to skis1, sidew1, rtrafc1, rhills1, light1, rdogs1, scene1, people1, rcrime1, safe1, rnhood1, studio1 to studda1)	Sum of all but work facilities environmental items: home equipment, neighborhood, convenience facilities, 43 items (no SES)

Section P: Social Support: 4 Rating Scale Scores

Score Number	Variable Name	Score Calculation	Score Description
1	FAMPRT1	sum (rdidfa1 to rdisfa1, rplanfa1 to rtlkfa1)	Sum of ratings 1-5 on 10 items measuring family participation
2	FRNPRT1	sum (rdidfr1 to rdisfr1, rplanfr1 to rtlkfr1)	Sum of ratings 1-5 on 10 items measuring friend participation
3	FAMPUN1	sum (rcompfa1,rcritfa1,rrewfa1)	Sum of ratings 1-5 on 3 items measuring family use of rewards and punishment
4	TOTPART1	sum (rdidfa1 to rtlkfr1)	Sum of ratings 1-5 on 26 items measuring family and friends participation

Section Q: Barriers to Exercise: 7 Rating Scale Scores

Score Number	Variable Name	Score Calculation	Score Description
1	BARRSUM1	sum(consc1 to money1)	Sum of ratings 0-4, 24 items measuring barriers to physical activity. Open-ended not scored.
2	BARRAVG1	BARRSUM1 / Number of Items (24)	Barriers Scale Average on a 5-point (0-4) scale
3	AVERAVG1	sum (inter1, noenj1, health1, hard1, boring1) / Number of Items (5)	Aversiveness Barriers Factor, average rating on 5 items: low interest, low enjoyment, poor health, hard work, boring
4	INCVAVG1	sum (noone1, noequi1, weathr1, skill1, knowl1, place1, money1) / Number of Items (7)	Inconvenience Barriers Factor, average rating on 7 items: no one to exercise with, no equipment, poor weather, no skills, lack of knowledge, no convenient place, no money
5	WORYAVG1	sum (consc1, fail1, injury1, overwt1, aches1) / Number of Items (5)	Worry Barriers Factor, average rating on 5 items: self conscious, fear of failure, fear injury, too overweight, aches and pains
6	EXCUAVG1	sum (willp1, time1, energy1, tired1) / Number of Items (4)	Excuses Barriers Factor, average rating on 4 items: lack willpower, no time, no energy, too tired
7	DMNDAVG1	sum(demnds1, social1, family1) / Number of Items (3)	Demands Barriers Factor, average rating on 3 items: work demands, social demands, family demands

Section R: Benefits: 4 Rating Scale Scores

Score Number	Variable Name	Score Calculation	Score Description
1	BENESUM1	sum (nodep1 to englvl1)	Sum of ratings 1 - 5, 14 items measuring benefits of physical activity.
2	BENEAVG1	BENESUM1 / Number of Items (14)	Average Benefit Rating on a 5-point (1-5) scale across 14 items.
3	PHYSAVG1	sum (mtone1, build1, gain1, heart1, norisk1, feelbr1, attrac1, englvl1) / 8	Physical Benefits Factor, average rating on 8 items: improve muscle tone, build muscle strength, gain muscle, increase heart and lung fitness, improve health, feel better about body, feel attractive, increase energy
4	PSYCAVG1	sum (nodep1, esteem1, tensn1, newp1, jobbtr1, losewt1) / 6	Psychological Benefits Factor, average rating on 6 items: decrease depression, improve self esteem, decrease stress, meet new people, do better at job, lose weight

Sections Q and R: Barriers and Benefits:
Decisional Balance (Benefits T-Score- Barriers T-Score) 3 Scores

Score Number	Variable Name	Score Calculation	Score Description
1	BENET1	Benefits T-Score	Overall Benefits Score expressed as a non-normalized T-Score, (Mean of 50, S.D. of 10)
2	BARRT1	Barriers T-Score	Overall Barriers Score expressed as a non-normalized T-Score, (Mean of 50, S.D. of 10)
3	DECBAL1	BENET1 - BARRT1	Decisional Balance Score, Benefits T-Score - Barriers T-Score

Section S: Process of Change: 6 Rating Scale Scores

Score Number	Variable Name	Score Calculation	Score Description
1	CHNGSUM1	sum (remh1 to worry1)	Sum of ratings 1-5, all 20 items
2	CHNGAVG1	CHNGSUM1 / Number of Items (20)	Average Process of Change Score on a 5-point (1-5) scale averaged across 20 items
3	EXPSUM1	sum (societ1, warn1, emote1, artic1, encour1, info1, role1, type1, influ1, frustm1)	10 Experiential items, measuring, consciousness raising, dramatic relief, environmental reevaluation, self-reevaluation, social liberation,
4	EXPAVG1	EXPAVG1 / Number of Items (10)	Average Experiential score on a 1-5 point scale
5	BEHSUM1	sum (remh1, keepx1, commt1, remw1, frien1, care1, nice1, feedb1, tirex1, worry1)	10 Behavioral items, measuring counter-conditioning, helping relationships, reinforcement management, self liberation, stimulus control
6	BEHAVG1	BEHSUM1 / Number of Items (10)	Average Behavioral score on a 1-5 point scale

Section T: Exercise Confidence: 3 Rating Scale Scores

Score Number	Variable Name	Score Calculation	Score Description
1	CONFDNC1	sum (getup1 to readls1)/ Number of Items (12)	Exercise Confidence Scale Average Score on a 5-point (1-5) scale across all 12 items
2	MAKETIM1	sum(getup1 to funaft1)/ Number of Items (7)	Making Time Scale Average Score on a 5-point (1-5 scale across 7 items
3	RESIST1	sum (famtme1 to readls1)/ Number of Items (5)	Resist Relapse Scale Average Score on a 5-point (1-5) scale across 5 items

Section U: Body Image: 8 Rating Scale Scores

Score Number	Variable Name	Score Calculation	Score Description
1	IMAGSUM1	sum (rsweet1 to rlegr1)	Sum of ratings 0-3, all 22 items, all items recoded
2	IMAGAVG1	IMAGSUM1 / Number of Items (22)	Average Body Image Scale Score a 0-3 scale, all 22 items
3	EDISUM1	sum(rsweet1 to rkeepgn1)	Sum of ratings 0-3, 7 items measuring Eating Disorders Inventory (EDI) Drive for Thinness
4	EDIAVG1	EDISUM1/Number of Items (7)	Average EDI Drive for Thinness Scale Score on a 0-3 scale across 7 items
5	MALESUM1	sum(rstomb1, rstomr1, rshape1, rlegs1, rarms1,rshoulr1, rarmr1, rshouls1, rlegr1)	Sum of 9 Male Body Dissatisfaction items on a 0-3 scale.
6	MALEAVG1	MALESUM1 / Number of Items (9)	Average Male Body Dissatisfaction Scale Score on 0-3 scale across 9 items
7	FEMLSUM1	sum(rstomb1, rthighb1, rstomr1, rshape1, rbutt1,rhipsb1, rthighr1, rbuttb1, rhipsr1)	Sum of 9 Female Body Dissatisfaction items on a 0-3 scale
8	FEMLAVG1	FEMLSUM1 / Number of Items (9)	Average Female Body Dissatisfaction Scale Score on 0-3 scale across 9 items

Section V: Quality of Life: 5 Rating Scale Scores

Score Number	Variable Name	Score Calculation	Score Description
1	QOL1	Sum (life1 to wantlf1)/ Number of Items (16)	Average Quality of Life Scale Score on 7-point (1-7) scale across 16 items
2	PERSON1	Sum (life1, spouse1, romanc1)/ Number of Items (3)	Average Personal Life Scale Score on 7-point (1-7) scale across 3 items
3	WORKLIF1	Sum (feeljb1, cowkr1, feelwk1)/ Number of Items (3)	Average Work Life Scale Score on 7-point (1-7) scale across 3 items
4	SELF1	Sum (probl1 lifeac1 appear1 flhlth1 yours1 adjchn1 youare1)/ Number of Items (7)	Average Self Scale Score on 7-point (1-7) scale across 7 items
5	WHLLIF1	Sum (whole1 contnt1 wantlf1)/ Number of Items (3)	Average Life as a Whole Scale Score on 7-point (1-7) scale across 3 items

Section W: Health Risk Behavior: General Health 2: 2 Rating Scale Scores

Score Number	Variable Name	Score Calculation	Score Description
1	TOBACCO1	Sum (smoked1, smokem1, chew1)	Sum of Health Risk Behaviors relating to smoking and chewing tobacco
2	SAFESEX1	Sum (ralcsex1, rcondom1)	Sum of Health Risk Behaviors relating to safe sex practices

Section X: Health Risk Behavior: Foods Eaten: 3 Rating Scale Scores

Score Number	Variable Name	Score Calculation	Score Description
1	FOODAVG1	sum (fruit1 juice1 salad1 vegie1 rhambur1 rfries1 rcooky1) / Number of Items (7)	Average Foods Eaten Scale Score on 3-point (0-2) scale
2	FRUTAVG1	sum (fruit1 juice1 salad1 vegie1) / Number of Items (4)	Average fruits and vegetables scale score across 4 items on a 3-point (0-2) scale
3	FATFAVG1	sum (hambur1 fries1 cooky1) / Number of Items (3)	Average fatty and sweet foods scale score across 3 items on an unrecoded 3-point (0-2) scale

II. Recoding Variables

Section A: Demographics
8 items, Items 1-8*
1 item recoded, Item 3

       Item 3: Employment status (EMP1 = REMP1)**

Original	Recoded to	Category
1	3	work full time
2	2	work part time
3	1	unemployed
4	1	homeworker

Section J: Physical Activity Enjoyment Scale
18 items, 34a - 34r
11 items recoded, 34 a, d, e, g, i, j, k, m, n, p, q reverse-scaled

       Items 34 a, d, e, g, i, j, k, m, n, p, q:

Original	Recoded to		a	(R) ENJ1
1	7		d	(R) PLEAS1
2	6		e	(R) ABSOR1
3	5		g	(R) ENERG1
4	4		i	(R) PLEASN1
5	3		j	(R) FEELG1
6	2		k	(R) INVIG1
7	1		m	(R) GRAT1
			n	(R) EXHIL1
			p	(R) ACCOM1
			q	(R) REFRES1

Section M: Neighborhood
11 items, Items 37a -37h, 38, 39
5 items recoded, Items 37b, 37c, 37e, 37h, 39 recoded

       Item 37b: Heavy Traffic (TRAFC1 = RTRAFC1)
       Item 37c: Hills (HILLS1 = RHILLS1)
       Item 37e: Unattended Dogs (DOGS1 = RDOGS1)
       Item 37h: High Crime (CRIME1 = RCRIME1)

Original	Recoded to	Category
0	1	No
1	0	Yes

       Item 39: Residential or commercial neighborhood (NHOOD1 = RNHOOD1)

Original	Recoded to	Category
1	3	Residential
2	2	Mixed commercial and residential
3	1	Mainly commercial

*   Item numbers refer to the Baseline Health Assessment Survey for Cohort 2, Form C.
**   EMP1 is the original variable name, REMP1 is the recoded variable name. Recoded variables
      begin with the letter 'R.'

Section P: Social Support

26 items, 49a-m
All 26 items recoded, Items 49a-m

    All Items 49 a-m

Original	Recoded to	Category
6	1	None

Section U: Body Image
22 items, Items 54a - 54v
All 22 items recoded, Items 54 a through v recoded

    Items 54 a, j, k, l, n, p, s, t, v:

Original	Recoded to	Category
1	0	Always
2	0	Usually
3	0	Often
4	1	Sometimes
5	2	Rarely
6	3	Never

a	(R) SWEET1
j	(R) STOMR1
k	(R) SHAPE1
l	(R) BUTT1
n	(R) THIGHR1
p	(R) HIPSR1
s	(R) SHOULR1
t	(R) ARMR1
v	(R) LEGR1

    Items 54 b, c, d, e, f, g, h, i, m, o, q, r, u:

Original	Recoded to	Category
1	3	Always
2	2	Usually
3	1	Often
4	0	Sometimes
5	0	Rarely
6	0	Never

b	(R) DIET1
c	(R) GUILT1
d	(R) TERRIF1
e	(R) EXXAG1
f	(R) PREOC1
g	(R) KEEPGN1
h	(R) STOMB1
i	(R) THIGHB1
m	(R) HIPSB1
o	(R) BUTTB1
q	(R) LEGS1
r	(R) ARMS1
u	(R) SHOULS1

Section W: National Health Risk Behavior Survey
6 items, Items 56-61
2 items recoded, Items 60, 61

    Item 60: Drink alcohol with sexual intercourse

Original	Recoded to	Category
0	1	No
1	2	Yes
2	0	Never had sex

    Item 61: Used condom

Original	Recoded to	Category
0	2	No
1	1	Yes
2	0	Never had sex

Section X: Food Eaten
7 items, Item 62 a-g
3 items recoded, Item 62e, 62f, 62g reverse-scaled for FOODAVG1 score only

       Item 62e: Ate hamburger (HAMBUR1 = RHAMBUR1)
       Item 62f: Ate french fries (FRIES1 = RFRIES1)
       Item 62g: Ate cookies (COOKY1 = RCOOKY1)

Original	Recoded to	Category
0	2	No
1	1	Yes, once
2	0	Yes, twice or more

New Scores Introduced at Post Assessment

Behavioral Skills Survey

Variable Name	Score Calculation	Score Description
STAYSUM	sum(goal12, specl12, chart12, askfri12, praise12, notv12, putup12, reward12, benef12, conven12, makenj12, posit12, appnt12,heloth12)	Sum of 14 behavioral skills items on a 4-point scale from 1 to 4; scores range from 14 to 56
STAYAVG	sum(goal12, specl12, chart12, askfri12, praise12, notv12, putup12, reward12, benef12, conven12, makenj12, posit12, appnt12,heloth12) / Number of items (14)	Sum of 14 behavioral skills items divided by 14 for scores expressed on the 4-point scale from 1 to 4

Note: in subsequent versions of the Health Assessment Survey, a 15th item was added to this scale. Per Jim Sallis, for score comparability across survey versions, this 15th was not included in the scoring calculation. The item is: "I find ways to get around the barriers to physical activity."

Score Available For Cohort 2 Only at the Post Assessment

Currently Exercise at Days x Minutes per week

Variable Name	Score Calculation	Score Description
CUREXER	EXDAY * EXMIN	Multiply the number of days usually exercise by the minutes exercise each day for a total number of minutes exercised each week

New Scores Introduced at 1 Year Assessment

Life Experience Survey

Variable Name	Score Calculation	Score Description
NEGATV	sum (MARRY, to FINSCHL) a if negative value	Sum across all 73 Life Experience Survey items only the negatively rated responses. Gives the total number of negative ratings.
POSITV	sum (MARRY, to FINSCHL) if a positive value	Sum across all 73 Life Experience Survey items only the positively rated responses. Gives the total number of positive ratings.
LIFXCNT	sum (MARRY, to FINSCHL) if a missing value (96,98,97,99)	Sum across all 73 Life Experience Survey items only the items missing value codes. Gives the total number out of 73 possible life experiences, those which were not experienced.
NOEXP	sum (MARRY, to FINSCHL) if a missing value (96,98,97,99) / 73	LIFXCNT / 73 gives the percent out of 73, the proportion of life experiences not experienced
TOTLIFE	sum (absolute value (NEGATV), POSITV)	Sum of the absolute value of the negative values plus the positive values for the total number of 73 weighted life experiences, regardless of whether they were positive or negative
LIFESUM	sum (NEGATV, POSITV)	The net sum of positive and negative values across the 73 life experiences.
NEGA58	sum (MARRY to PRNTDIV) a if negative value	Sum across first 58 Life Experience Survey items, does not include school-related items for continuing students. only the negatively rated responses. Gives the total number of negative ratings for non-school related experiences.
POSI58	sum (MARRY to PRNTDIV) if a positive value	Sum across first 58 Life Experience Survey items only the positively rated responses. Gives the total number of positive ratings for non-school related experiences.
LIFXC58	sum (MARRY to PRNTDIV) if a missing value (96,98,97,99)	Sum across first 58 Life Experience Survey items only the items missing value codes. Gives the total number out of 58 non-school related life experiences, those which were not experienced.
NOEXP58	sum (MARRY to PRNTDIV) if a missing value (96,98,97,99) / 58	LIFXCNT / 58 gives the percent out of 58, the proportion of non-school related life experiences not experienced
TOTLF58	sum (absolute value (NEGATV), POSITV)	Sum of the absolute value of the negative values plus the positive values for the total number of 58 weighted non-school related life experiences, regardless of whether they were positive or negative
LIFES58	sum (NEGATV, POSITV)	The net sum of positive and negative values across the 58 non-school related life experiences.

New Scores Introduced at 2 Year Assessment

Class Evaluation Survey

Variable Name	Score Calculation	Score Description
EVALAVG	sum (lectur, teach, materls, topics, homewrk) / Number of Items (5)	Sum of five items common to both treatment and control group survey versions of the Class Evaluation survey, divided by the number of items. Scores are on a 5-point scale from 1 to 5.
TRTMAVG	sum(lectur, teach, materls, lectex, topics, nutrit, labexer, lablect, homewrk, leader, gradnew, acenews, phone10, phone2) / number of items (14)	Sum of total number of 14 items on the Treatment Group version of the Class Evaluation Survey, divided by 14. Scores are expressed on a 5-point scale from 1 to 5.
COURAVG	sum (lectur, teach, materls, lectex, topics, nutrit, homewrk) / number of items (7)	Sum of 7 items divided by the number of items (7) on the Treatment Group version of the Class Evaluation Survey which measure the quality of the GRAD course. Scores are expressed on a 5-point scale from 1 to 5.
LABEAVG	sum (labexer, lablect, leader) / number of items (3)	Sum of 3 items divided by the number of items (3) on the Treatment Group version of the Class Evaluation Survey which measure the quality of the GRAD lab section. Scores are expressed on a 5-point scale from 1 to 5.
PGRDAVG	sum (gradnew, acenews, phone10, phone2)	Sum of 4 items divided by the number of items (4) on the Treatment Group version of the Class Evaluation Survey which measure the quality of the post GRAD intervention. Scores are expressed on a 5-point scale from 1 to 5.
CTRLAVG	sum (lectur, teach, materls, topics, guests, homewrk, berkely)	Sum of all 7 items divided by the number of items (7) on the Control Group version of the Class Evaluation Survey. Scores are expressed on a 5-point scale from 1 to 5.