Expectations Meet Reality:
The Underprepared Student and Community Colleges

Methodology Supplement

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Introduction

Approximately two-thirds of students entering community and technical colleges each year are underprepared for college-level work. The Center for Community College Student Engagement's (the Center) 2016 national report, "Expectations meet Reality: The Underprepared Student and Community Colleges" examines the earliest experiences of these students as well as those of students who persist past their first academic term. Additionally, the report takes briefly looks at actions and responses faculty take to identify students who may struggle in their classes. While, the national report highlights a number of important findings, this supplement provides more complete details on all data analyzed.

This methods supplement describes the data sources used for the national report, the data cleaning and recoding, the analyses conducted, and the analysis results not included in the main report. (Note, the analysis results presented in the main report are also included in this supplement.) If you have any questions about the analyses or results in the national report or in this supplement, please contact Mike Bohlig (bohlig@cccse.org)

METHODS

Data Sources

The data used in for the analyses presented in the national report and this methodology supplement come from three Center surveys: Survey of Entering Student Engagement (*SENSE*), Community College Survey of Student Engagement (*CCSSE*), and Community College Faculty Survey of Student Engagement (*CCFSSE*). In addition to the main *SENSE* and *CCSSE* surveys, additional data are from the Promising Practices item set administered in conjunction with the *SENSE* survey and the Assessment and Placement item set administered in conjunction with the *CCSSE* survey.

Many of the key variables included in the national report and in this supplement come from the Promising Practices item set administered with *SENSE* (2012, 2013, and 2014) and the Assessment and Placement item set administered with *CCSSE* in 2015. As such, the analyses based on *SENSE* data were limited to entering students who completed the Promising Practices item set in the 2014 three-year cohort (2012, 2013, and 2014). *CCSSE* results were likewise limited to those respondents in 2015 who completed the Assessment and Placement item set. *CCFSSE* respondents included faculty from colleges where the *CCSSE* Assessment and Placement item set was administered so that the faculty data were based on common campus environments.

The respondents included in the individual item analyses were based on a series of logic arguments that corresponded with the specific item focus. For example, item 12a on the main *SENSE* survey ["Before I could register for classes, I was required to take a placement test (COMPASS, ASSET, ACUPLACER, SAT, ACT, etc.) to assess my skills in reading, writing, and/or math."] is relevant to every community college student: either they were required to take a placement test or they were not. Therefore, all students who responded to the Promising Practices item set in the *SENSE* 2014 three-year cohort were included in the analysis. On the other hand, responses to Promising Practices item 9 ("I was TOLD that I was REQUIRED to take a developmental/basic skills/college prep course in my first semester/quarter, and I …") would only be relevant for students who took a placement test; as such, analyses involving this item are limited to students who indicated on the main survey that they took a placement test.

The respondent subset included in each analysis is noted for each data point presented in the national report and are also explained in detail for each set of results presented in this supplement.

Analyses.
The analyses conducted for the national report and for this supplement include simple frequencies, cross-tabulations (crosstabs) of pairs of variables, and, where benchmark data are examined, means. Crosstab output includes Chi-Square statistics and, Fisher's Exact Test results for 2x2 tables. The details of population subsets are described in the sections below.

SENSE Survey Data

The *SENSE* survey data utilized in these analyses were collected as part of the regular survey administrations in the fall of 2012, 2013, and 2014 constituting the 2014 three-year cohort. The data represent the most recent survey data from the participating colleges from those three years; if a college participated in the survey more than once in this three year period, only data from the most recent administration are included.

Respondents included in the analysis data set
The *SENSE* 2014 three-year cohort included a total of 106,840 respondents; approximately 75% of these respondents (n=79,737) completed the Promising Practices item set. Many of the items analyzed for the "Expectations Meet Reality: The Underprepared Student and Community Colleges" were part of the Promising Practices item set and the analyses of all *SENSE* data were limited to these respondents.

Data cleaning
The first step in cleaning the data and preparing for the analysis was to search for discrepancies in the various items asking about Assessment and Placement. Questions 12 (Q12) and 13 (Q13) on the main survey, each with multiple parts, asks students about their experience with placement tests:

Q12a. Before I could register for classes I was required to take a placement test (COMPASS, ASSET, ACCUPLACER, SAT, ACT, etc.) to assess my skills in reading, writing, and/or math. (Responses: Yes or No)
Q12b. I took a placement test (COMPASS, ASSET, ACCUPLACER, SAT, ACT, etc.) (Responses: Yes or No)
Q12c. I was exempt from taking a placement test at this college (Responses: Yes or No)

Q13. My Placement test scores indicated that I needed to take a Developmental course (also referred to as a Basic Skills, College Prep, etc.) in the following areas. (Mark all that apply) [There are a total of 5 variables associated with this item.]

Didn't take a placement test
Developmental reading
Developmental writing
Developmental math
Didn't place into any developmental courses

When examining these items, it became clear that there were inconsistencies in some students' responses. For example, a student may have indicated they were exempt from taking a placement test on Q12c yet reported that their placement test indicated on Q13 that they needed to take developmental math. There were a number of possible combinations of the eight variables associated with these four questions that could indicate contradictory experiences; in these cases, the respondents were dropped from the analysis data set.

Following the removal of respondents with inconsistent responses to these eight variables, the final analysis data set included 67,806 respondents, approximately 85% of the students who completed the Promising Practices item set, or approximately 63% of all respondents in the *SENSE* 2014 three-year cohort.

Items 12a, 12b, and 12c ask students about their placement test experience. The response options are "Yes" and "No." (The variable names are included in parentheses after the items. Response codes are 1 = Yes and 2 = No.)

12a. Before I could register for classes I was required to take a placement test to assess my skills in reading, writing, and math (REQPTEST)
12b. I took a placement test (TKPTEST)
12c. I was exempt from taking a placement test (EXPTEST)

Item13 asks students about the results of their placement test.

My placement test scores indicated that I needed to take a developmental course in the following areas. (Mark all that apply)
- o Didn't take a placement test (NOTEST)
- o Developmental reading (NEEDREAD)
- o Developmental writing (NEEDWRIT)
- o Developmental math (NEEDMATH)
- o Didn't place into any developmental courses (NEEDNONE)

If a student responded that they did take a placement test in item 12b, then at least one of the responses in item 13 should have been selected; however, this was not always the case. Therefore, where a student answered "Yes" to item 12b but did not mark any responses in item 13, all of the variables associated with item 13 were coded to missing. (Each response option in item 13 is associated with a different variable; the variable name is included in parentheses beside each item above. The coded values for these variables are 1 = marked and 0 = not marked.)

The next step in cleaning inconsistencies between these two items was to look at each of the item 12 variables and compare these with the responses to item 13. Where the responses were inconsistent (student reported he/she was exempt from taking a placement test in item 13c but reported that they placed into developmental reading, writing, and/or math in item 13), an indicator flag variable (INCONSIST) was set equal to 1 (one) and subsequently, records with inconsistencies in these responses were deleted from the analysis. The SAS code used to flag these inconsistencies is provided below.

```
if REQPTEST = 1 &  EXPTEST  = 1                                      then INCONSIST = 1 ;
if TKPTEST  = 1 &  NOTEST   = 1                                      then INCONSIST = 1 ;
if TKPTEST  = 2 &  NOTEST   = 0                                      then INCONSIST = 1 ;
if TKPTEST  = 2 & (NEEDREAD = 1 or NEEDWRIT = 1 or NEEDMATH = 1)  then INCONSIST = 1 ;
if NOTEST   = 1 & (NEEDREAD = 1 or NEEDWRIT = 1 or NEEDMATH = 1)  then INCONSIST = 1 ;
if NEEDNONE = 1 & (NEEDREAD = 1 or NEEDWRIT = 1 or NEEDMATH = 1)  then INCONSIST = 1 ;
```

Many of the variables used in the analyses were recoded into dichotomous variables. The following table lists of the recoded Promising Practices variables and how they were recoded for the analyses. With the exception of high school grade average (HSGPA), items from the main survey were not recoded. HSGPA was recoded into two different dichotomous variables which are included in the table below. New variables were created using the Assessment and Placement items (items 12, 13, and 14) from the main survey; these are described following the recode table.

Source & Analysis Variable Name	Item	Responses	
		Original Response Options	**Recoded Response Options**
PP Item Set PLTSTWHEN_R	5. I became aware that I was required to take a placement test (ACCUPLACER, ASSET, COMPASS, etc.) at this college:	1 = More than a month before taking the test	1 = More than a month before taking the test
		2 = About 1 to 4 weeks before taking the test	0 = One month or less before taking the test
		3 = About 1 to 6 days before taking the test	
		4 = The same day I took the test	
		5 = Not applicable; I did not take a placement test	Missing
PP Item Set PLTSTHS	6. While I was in high school, besides taking the SAT or ACT, I completed this college's placement test (ACCUPLACER, ASSET, COMPASS, etc.) to assess my academic skills in reading, writing, and/or math.	1 = Yes	*No recoded*
		2 = No	
		3 = I don't remember	

Source & Analysis Variable Name	Item	Responses	
		Original Response Options	Recoded Response Options
PP Item Set PLTSTPREP_R	7. Before enrolling at this college, I prepared for this college's placement test (ACCUPLACER, ASSET, COMPASS, etc.) in the following way:	1 = On my own using online or printed materials provided by the college 2 = Participating in a brief (8 hours or less), intensive brush-up/refresher workshop 3 = Participating in a multi-day or multi-week brush-up/refresher program (often held during the summer before fall enrollment)	1 = Prepared for placement test using any resource provided by the college
		4 = I did not do anything to prepare for this college's placement test	0 = Did not prepare for the placement test
		5 = Not applicable; I did not take a placement test	Missing
PP Item Set PLPREPHLPD_R	8. If I used resources from this college or one of the college's brush-up/refresher experiences I found it:	1 = Very helpful 2 = Helpful 3 = Somewhat helpful	1 = Helpful
		4 = Not helpful	0 = Not helpful
		5 = Not applicable; I did not use this college's test prep resources	Missing

Source & Analysis Variable Name	Item	Responses	
		Original Response Options	**Recoded Response Options**
PP Item Set REQ2TKDEV_R	9. I was TOLD that I was REQUIRED to take a developmental/basic skills/college prep course in my first semester/quarter, and I...	1 = DID enroll in MORE THAN ONE of these courses 2 = DID enroll in ONE of these courses	1 = Enrolled in one or more of these courses
		3 = DID NOT enroll in any of these courses	0 = Did not enroll in any of these courses
		4 = Not applicable	Missing
PP Item Set GOALWHEN	10. Based on my academic goals at this college, I believe it will take me about this long to reach them:	1 = Less than 1 year 2 = 1 to 2 years 3 = 3 to 4 years 4 = More than 4 years 5 = I don't know	*Not recoded*

Source & Analysis Variable Name	Item	Responses	
		Original Response Options	Recoded Response Options
PP Item Set GOALONTRK	11. I feel that I am on track to reach my academic goals at this college within my expected time frame.	1 = Strongly agree 2 = Agree 3 = Not sure 4 = Disagree 5 = Strongly disagree	*Not recoded*
SENSE main survey HSGD_BPL	28. In what range was your overall high school grade average?	1 = A 2 = A- to B+ 3 = B	1 = B or better
		4 = B- to C+ 5 = C 6 = C- or lower	0 = Less than a B
SENSE main survey HSGD_CPL	28. In what range was your overall high school grade average?	1 = A 2 = A- to B+ 3 = B 4 = B- to C+ 5 = C	1 = C or better
		6 = C- or lower	0 = Less than a C

New Analysis Variables Created

TOOKPLTST (Took a placement test): Indicator variable
      Possible values: 0 = did not take a placement test
                           1 = took a placement test.

      If the student responded "yes" to 12b (I took a placement test), and did not mark the
      "Didn't take a placement test" response in item 13, the student was identified as having
      taken a placement test.

NEED_DEV (Number of academic areas placement test indicated developmental need).
      Count variable with range of 0 (zero) to 3.

      Count of the education areas marked in item 13. If a student did not mark any of the
      response options in item 13, this variable is coded as missing.

DEVAREAS_CNT (Number of academic areas placement test indicated developmental need).
      Possible values: 0 = None
                           1 = One area (either reading, writing, or math)
                           2 = More than one area

      If NEED_DEV = 0, DEVAREAS_CNT = 0;
      if NEED_DEV = 1, DEVAREAS_CNT = 1;
      if NEED_DEV = 2 or 3, DEVAREAS_CNT = 2;
      if NEED_DEV = missing, DEVAREAS_CNT is missing.
      Students who did not mark any of the response options on item 13 are coded as missing
      on this variable and are excluded in any analyses that included developmental education
      need.

DEVAREAS_CNT_R (Student needed developmental education or not). Indicator variable.
      Possible values: 0 = Did not need developmental education in any academic area
                           1 = Need developmental education in one or more academic areas

      If DEVAREAS_CNT = 1 or 2, DEVAREAS_CNT_R = 1;
      if DEVAREAS_CNT = 0, DEVAREAS_CNT_R = 0;
      Otherwise DEVAREAS_CNT_R is missing.
      Students who did not mark any of the response options in item 13 are coded as missing
      on this variable and are excluded in any analyses that included developmental education
      need.

Results for *SENSE* data

Demographic	Full three-year Cohort (N=106,840)		Promising Practice Respondents (N=67,803)	
	Count	Percent	Count	Percent
Gender				
Male	45,938	44.52	28,650	43.75
Female	57,237	55.48	36,836	56.25
Race / Ethnicity				
Am. Indian or Native Am.	1,899	1.85	1,124	1.71
Asian, Asian Am., Pacific Islander	3,797	3.71	2,107	3.21
Native Hawaiian	190	0.19	112	0.17
Black or African Am., Non-Hispanic	16,820	16.41	11,172	17.02
White, Non-Hispanic	53,258	51.97	34,717	52.88
Hispanic, Latino, Spanish	22,099	21.57	13,708	20.88
Other	4,408	4.30	2,715	4.14
Age				
Traditional-Age	88,757	84.70	55,508	83.51
Nontraditional-Age	16,028	15.30	10,963	16.49
Developmental Status				
Developmental	62,986	59.55	41,567	62.13
Non-Developmental	42,791	40.45	25,332	37.87
First Generation Status				
First-Generation	44,552	41.70	28,466	41.98
Not First-Generation	62,288	58.30	39,340	58.02

Initial Frequency Responses for Analysis Variables
In this section, the initial frequency responses to all variables reviewed when preparing the national report, including those variables not included in the final report are presented. The first line of each table below includes the item number and a paraphrase of the item wording from the survey. If the item number begins with "PP" the data came from the Promising Practices Additional Question Set; if the item number begins with "Q", the data come from the main survey. If an item is not included in the tables below, it was not considered for inclusion in the national report. All frequencies below, except where noted, are weighted, hence, the presence of decimals in the "Frequency" and "Cumulative Frequency" columns.

The frequency tables in this section of the report include all respondents who answered the Promising Practices item set.

PP5. Became aware required to take placement test (how long before taking)				
pltstwhen	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. More than a month	34818.35	58.74	34818.35	58.74
2. About 1 to 4 weeks	9291.771	15.68	44110.12	74.42
3. 1 to 6 days before	4793.774	8.09	48903.9	82.51
4. The same day	4142.427	6.99	53046.32	89.49
5. N.A.; did not take a pl. test	6227.351	10.51	59273.68	100.00
Frequency Missing = 4902.0044014				

PP5. (R) Became aware required to take placement test (how long before taking)				
pltstwhen_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. < a month before taking test	18227.97	34.36	18227.97	34.36
1. >= month before taking test	34818.35	65.64	53046.32	100.00
Frequency Missing = 11129.355758				

PP6. While in HS, I took the college's placement test				
pltsths	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Yes	22663.77	38.67	22663.77	38.67
2. No	25539.27	43.58	48203.04	82.25
3. I don't remember	10400.73	17.75	58603.77	100.00
Frequency Missing = 5571.9137115				

PP7. Before enrolling, ... prepared for placement test				
pltstprep	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. On own w/ college materials	15469.95	26.63	15469.95	26.63
2. Brief (<= 8hr), intensive brushup/refresher	3295.091	5.67	18765.04	32.30
3. Multi-day/wk brushup/refresher	2210.771	3.81	20975.82	36.11
4. Did nothing to prepare	29611.63	50.97	50587.44	87.08
5. N.A.; did not take a pl. test	7506.142	12.92	58093.59	100.00
Frequency Missing = 6082.0947418				

PP7. (R) Before enrolling, ... prepared for placement test				
pltstprep_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. Did not prepare for pl. test	29611.63	58.54	29611.63	58.54
1. Prepared for pl. test	20975.82	41.46	50587.44	100.00
Frequency Missing = 13588.236339				

PP8. Used college's resources and found them (helpful/not)				
plprephlpd	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Very helpful	10312.25	17.77	10312.25	17.77
2. Helpful	13039.4	22.47	23351.64	40.23
3. Somewhat helpful	7222.162	12.44	30573.8	52.68
4. Not helpful	1507.234	2.60	32081.04	55.27
5. N.A.; did not take a pl. test	25958.3	44.73	58039.34	100.00
Frequency Missing = 6136.3400053				

PP8. (R) Used college's resources and found them (helpful/not)				
plprephlpd_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. Not helpful	1507.234	4.70	1507.234	4.70
1. Helpful	30573.8	95.30	32081.04	100.00
Frequency Missing = 32094.641025				

PP9. Told required to take a developmental education course 1st term and I (did/not)				
req2tkdev	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Enrolled in > 1 course	16933.35	30.26	16933.35	30.26
2. Enrolled in 1 course	18177.22	32.49	35110.56	62.75
3. Did not enroll in any	6211.756	11.10	41322.32	73.85
4. N/A	14633.32	26.15	55955.65	100.00
Frequency Missing = 8220.0351354				

PP9. (R) Told required to take a developmental education course 1st term and I (did/not)				
req2tkdev_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. Did not enroll in any	6211.756	15.03	6211.756	15.03
1. Enrolled in 1+ course	35110.56	84.97	41322.32	100.00
Frequency Missing = 22853.359872				

PP10. Based on academic goals, I believe it will take how long to complete				
goalwhen	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. < 1 yr	5005.355	8.63	5005.355	8.63
2. 1 - 2 yrs	30304.64	52.22	35309.99	60.85
3. 3 - 4 yrs	14334.4	24.70	49644.39	85.55
4. > 4 yrs	3715.32	6.40	53359.71	91.96
5. don't know	4667.411	8.04	58027.12	100.00
Frequency Missing = 6148.5557242				

PP11. I feel I am on track to reach my academic goal w/i expected time frame.				
goalontrk	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Strongly Agree	21675.99	37.37	21675.99	37.37
2. Agree	22613.14	38.98	44289.13	76.35
3. Not sure	11720.06	20.20	56009.19	96.55
4. Disagree	1382.598	2.38	57391.79	98.93
5. Strongly Disagree	619.1174	1.07	58010.91	100.00
Frequency Missing = 6164.7729444				

12a. Before I could register for classes, I was required to take a placement test				
reqptest	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	54759.39	87.17	54759.39	87.17
No	8059.849	12.83	62819.24	100.00
Frequency Missing = 1356.4385643				

Q12b. Took a placement test				
tkptest	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	56382.07	92.42	56382.07	92.42
No	4624.855	7.58	61006.92	100.00
Frequency Missing = 3168.7593906				

Q12c. I was exempt from taking a placement test at this college				
exptest	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	4965.943	8.27	4965.943	8.27
No	55062.51	91.73	60028.46	100.00
Frequency Missing = 4147.2240424				

Q13. Did not take placement test				
notest	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No response	58396.28	92.25	58396.28	92.25
Response	4907.514	7.75	63303.8	100.00
Frequency Missing = 871.88132291				

Q13. Pl test indicated need developmental education reading				
needread	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No response	47375.3	74.84	47375.3	74.84
Response	15928.5	25.16	63303.8	100.00
Frequency Missing = 871.88132291				

Q13. (R) PI test indicated need developmental education reading				
needread_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. No	42467.78	72.72	42467.78	72.72
1. Yes	15928.5	27.28	58396.28	100.00
Frequency Missing = 5779.3957773				

Q13. PI test indicated need developmental education writing				
needwrit	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No response	45156.42	71.33	45156.42	71.33
Response	18147.38	28.67	63303.8	100.00
Frequency Missing = 871.88132291				

Q13. (R) PI test indicated need developmental education writing				
needwrit_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. No	40248.9	68.92	40248.9	68.92
1. Yes	18147.38	31.08	58396.28	100.00
Frequency Missing = 5779.3957773				

Q13. PI test indicated need developmental education math				
needmath	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No response	32421.65	51.22	32421.65	51.22
Response	30882.15	48.78	63303.8	100.00
Frequency Missing = 871.88132291				

Q13. (R) PI test indicated need developmental education math				
needmath_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. No	27514.14	47.12	27514.14	47.12
1. Yes	30882.15	52.88	58396.28	100.00
Frequency Missing = 5779.3957773				

Q18e. An advisor helped me to select a course of study...				
aaselmaj	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Strongly disagree	3278.476	5.19	3278.476	5.19
Disagree	7933.812	12.55	11212.29	17.74
Neutral	11771.48	18.62	22983.77	36.36
Agree	22268.76	35.23	45252.53	71.59
Strongly agree	17960.13	28.41	63212.65	100.00
Frequency Missing = 963.02562122				

Q18f. An advisor helped me to set academic goals & create plan...				
acadgoal	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Strongly disagree	4406.103	6.99	4406.103	6.99
Disagree	12794.11	20.28	17200.22	27.27
Neutral	18227.58	28.90	35427.8	56.16
Agree	16524.06	26.20	51951.86	82.36
Strongly agree	11126.4	17.64	63078.26	100.00
Frequency Missing = 1097.4215525				

Q18g. An advisor helped me to identify courses I needed my 1st fall term				
crsadv	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Strongly disagree	2515.486	3.98	2515.486	3.98
Disagree	5212.917	8.25	7728.403	12.23
Neutral	8806.692	13.94	16535.1	26.16
Agree	26186.67	41.44	42721.76	67.60
Strongly agree	20475.55	32.40	63197.32	100.00
Frequency Missing = 978.36244898				

Q18u. I am prepared academically to succeed in college				
acprprd	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Strongly disagree	294.4531	0.47	294.4531	0.47
Disagree	874.2865	1.38	1168.74	1.85
Neutral	7805.064	12.34	8973.803	14.18
Agree	24381.41	38.54	33355.21	52.72
Strongly agree	29910.3	47.28	63265.51	100.00
Frequency Missing = 910.16829388				

Q22. ... What has been your main source of academic advising				
psouraca	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Instructors	15761.7	27.31	15761.7	27.31
College staff (not instructors)	7563.77	13.11	23325.48	40.42
Friends, family, or other students	27227.35	47.18	50552.83	87.60
Computerized degree advisor system	717.4729	1.24	51270.3	88.84
College Web site	4360.651	7.56	55630.95	96.39
Other college materials	2080.756	3.61	57711.71	100.00
Frequency Missing = 6463.9749081				

Q22. (R) ... What has been your main source of academic advising				
psouraca_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. College staff / instructor	23325.48	40.42	23325.48	40.42
2. Friends / family/ students	27227.35	47.18	50552.83	87.60
3. computer-based source	5078.124	8.80	55630.95	96.39
4. Other	2080.756	3.61	57711.71	100.00
Frequency Missing = 6463.9749081				

Q28. Overall HS GPA				
hsgrade	Frequency	Percent	Cumulative Frequency	Cumulative Percent
A	3474.642	5.56	3474.642	5.56
A- to B+	17279.73	27.66	20754.37	33.23
B	14635.46	23.43	35389.83	56.66
B- to C+	18056.17	28.91	53446	85.57
C	6398.415	10.24	59844.42	95.81
C- or lower	2617.036	4.19	62461.45	100.00
Frequency Missing = 1714.2286542				

Q28. (R) HS GPA = B or better				
hsgd_bpl	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. HS GPA: C or lower	27071.62	43.34	27071.62	43.34
1. HS GPA: B or better	35389.83	56.66	62461.45	100.00
Frequency Missing = 1714.2286542				

Q28. (R) HS GPA = C or better				
hsgd_cpl	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. HS GPA: D or lower	2617.036	4.19	2617.036	4.19
1. HS GPA: C or better	59844.42	95.81	62461.45	100.00
Frequency Missing = 1714.2286542				

Below are frequencies for created variables considered and/or used in the analyses for the National Report.

Flag indicating respondent took a placement test				
tookpltst	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. No	7793.614	12.14	7793.614	12.14
1. Yes	56382.07	87.86	64175.68	100.00

Flag indicating respondent took a placement test				
tookpltst	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. No	7793.614	12.14	7793.614	12.14
1. Yes	56382.07	87.86	64175.68	100.00

Count, Number of areas pl. test indicated dev ed need				
need_dev	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	24840.63	39.24	24840.63	39.24
1	20241.99	31.98	45082.62	71.22
2	9947.504	15.71	55030.12	86.93
3	8273.676	13.07	63303.8	100.00
Frequency Missing = 871.88132291				

Number of academic areas pl. test indicated developmental needs				
devareas_cnt	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. Need no dev ed	24840.63	39.24	24840.63	39.24
1. Need dev ed in one acad area	20241.99	31.98	45082.62	71.22
2. need dev ed in > 1 acad area	18221.18	28.78	63303.8	100.00
Frequency Missing = 871.88132291				

Need developmental education. Dichotomous: No vs. in one or more areas				
devareas_cnt_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. Need no dev ed	24840.63	39.24	24840.63	39.24
1. Needed dev ed in 1+ acad areas	38463.17	60.76	63303.8	100.00
Frequency Missing = 871.88132291				

Examination of subgroup differences

In addition to the data cleaning described in the methods section above, some analyses required additional restrictions on the included respondents to exclude those for whom the item was not applicable. For example, an analysis of item 14 from the main *SENSE* survey (This college required me to enroll in classes indicated by my placement test scores during my first semester/quarter) is limited to only those respondents who actually took a placement test since students who did not take a placement test could not actually answer this question. A number of the analyses presented in the national report were likewise based on restricted subsets of respondents depending on the focus of the item under analysis. Unless otherwise noted (below the relevant table), the data presented below include all respondents from the 2014 *SENSE* three-year cohort who responded to the Promising Practices item set.

After examining the initial frequencies, the next step was to look for subgroup differences in item responses. This section presents the cross-tabulations (crosstabs) of the Assessment and Placement items from the main survey and from the Promising Practices additional item set with student demographics. Cross-tabulations that include enrollment status (ENRLMENT) are never weighted because the weights are based on enrollment status; all other cross-tabulations are weighted.

Q12a. Before I could register for classes I was required to take a placement test…
(REQPTEST) crossed with enrollment status (ENRLMENT) (Not weighted)

Table of reqptest by enrlment			
reqptest(Required to take a placement test)	enrlment(Thinking about THIS SEMESTER/QUARTER, how would you describe your enrollment at this college?)		
Frequency Percent Row Pct Col Pct	Less Than Full-Time	Full-Time	Total
.	409 . . .	977 . . .	. .
Yes	16072 24.20 27.75 87.03	41852 63.01 72.25 87.28	57924 87.21
No	2395 3.61 28.19 12.97	6101 9.19 71.81 12.72	8496 12.79
Total	18467 27.80	47953 72.20	66420 100.00
Frequency Missing = 1386			

$\chi^2 = 0.7245$, $p = 0.3947$

Q12a. Before I could register for classes I was required to take a placement test…
(REQPTEST) crossed with gender (SEX)

Table of reqptest by sex				
reqptest(Required to take a placement test)	**sex(Your Sex)**			
Frequency Percent Row Pct Col Pct	**.**	**Male**	**Female**	**Total**
.	154.431 . . .	638.756 . . .	563.251 . . .	. .
Yes	1830.43 . . .	22640 37.30 42.77 86.02	30288.9 49.90 57.23 88.11	52929 87.20
No	293.101 . . .	3679.76 6.06 47.38 13.98	4086.98 6.73 52.62 11.89	7766.75 12.80
Total	. .	26319.8 43.36	34375.9 56.64	60695.7 100.00
Frequency Missing = 3479.9666272				

$\chi^2 = 58.4578$, $p = .0001$

Q12a. Before I could register for classes I was required to take a placement test…
(REQPTEST) crossed with student age (STUDAGE, traditional age [< 25] vs. non-traditional
age [25 and over])

Table of reqptest by studage				
reqptest(Required to take a placement test)	studage(Traditional Age vs. Non-Traditional Age)			
Frequency Percent Row Pct Col Pct	.	Traditional-Age	Nontraditional-Age	Total
.	116.214 . . .	993.904 . . .	246.32 . . .	. .
Yes	1048.19 . . .	43468.3 70.56 80.93 87.01	10242.9 16.63 19.07 87.96	53711.2 87.19
No	166.514 . . .	6491.52 10.54 82.24 12.99	1401.81 2.28 17.76 12.04	7893.34 12.81
Total	. .	49959.8 81.10	11644.7 18.90	61604.5 100.00
Frequency Missing = 2571.1464263				

$\chi^2 = 7.7148$, $p = .0055$

Q12a. Before I could register for classes I was required to take a placement test…
(REQPTEST) crossed with Race/Ethnicity (DIVERSIT)

Table of reqptest by diversit									
reqptest(Required to take a placement test)	diversit(What is your racial/ethnic identification?)								
Frequency Percent Row Pct Col Pct	.	American Indian or Native American	Asian, Asian American, or Pacific Islander	Native Hawaiian	Black or African American, Non-Hispanic	White, Non-Hispanic	Hispanic, Latino, Spanish	Other	Total
.	147.091 . . .	25.9965 . . .	58.5805 . . .	2.73367 . . .	283.491 . . .	566.414 . . .	215.321 . . .	56.8105 . . .	. .
Yes	1628.56 . . .	910.49 1.50 1.71 87.07	1670.93 2.74 3.14 87.56	90.2052 0.15 0.17 84.16	8979.87 14.75 16.90 87.39	27965.2 45.93 52.63 87.25	11404.4 18.73 21.46 87.48	2109.73 3.47 3.97 85.72	53130.8 87.26
No	305.191 . . .	135.183 0.22 1.74 12.93	237.502 0.39 3.06 12.44	16.9833 0.03 0.22 15.84	1295.73 2.13 16.71 12.61	4085.08 6.71 52.68 12.75	1632.58 2.68 21.05 12.52	351.593 0.58 4.53 14.28	7754.66 12.74
Total	. .	1045.67 1.72	1908.43 3.13	107.189 0.18	10275.6 16.88	32050.3 52.64	13037 21.41	2461.32 4.04	60885.5 100.00
Frequency Missing = 3290.189054									

$\chi^2 = 7.1075$, $p = .3110$

Q12a. Before I could register for classes I was required to take a placement test…
(REQPTEST) crossed with developmental status (DEVELOPM)

Table of reqptest by developm				
reqptest(Required to take a placement test)	developm(Developmental Students vs. Non-Developmental Students)			
Frequency Percent Row Pct Col Pct	.	Developmental	Non-Developmental	Total
.	533.628 . . .	552.973 . . .	269.838 . . .	. .
Yes	298.969 . . .	36826.8 58.96 67.62 92.35	17633.6 28.23 32.38 78.08	54460.4 87.19
No	59.0815 . . .	3049.35 4.88 38.11 7.65	4951.41 7.93 61.89 21.92	8000.77 12.81
Total	. .	39876.2 63.84	22585 36.16	62461.2 100.00
Frequency Missing = 1714.4894556				

$\chi^2 = 2631.2954$, $p < .0001$

Q12a. Before I could register for classes I was required to take a placement test…
(REQPTEST) crossed with first generation status (FIRSTGEN)

Table of reqptest by firstgen			
reqptest(Required to take a placement test)	firstgen(First Generation vs. Not First Generation)		
Frequency Percent Row Pct Col Pct	First-Generation	Not First-Generation	Total
.	618.684 . . .	737.754 . . .	. .
Yes	24096.2 38.36 44.00 88.71	30663.2 48.81 56.00 86.00	54759.4 87.17
No	3067.83 4.88 38.06 11.29	4992.02 7.95 61.94 14.00	8059.85 12.83
Total	27164 43.24	35655.2 56.76	62819.2 100.00
Frequency Missing = 1356.4385643			

$$\chi^2 = 101.0261, \ p < .0001$$

Q12a. Before I could register for classes I was required to take a placement test…
(REQPTEST) crossed with overall high school grade average (HSGRADE)

Table of reqptest by hsgrade								
reqptest(Required to take a placement test)	hsgrade(Q28. Overall HS GPA)							
Frequency Percent Row Pct Col Pct	.	A	A- to B+	B	B- to C+	C	C- or lower	Total
.	133.546	65.8147	288.657	328.084	318.542	171.295	50.4989	. .
Yes	1382.51 . . .	2751.02 4.49 5.15 80.70	14344.4 23.42 26.87 84.42	12431.9 20.30 23.29 86.89	15848.3 25.88 29.69 89.35	5652.95 9.23 10.59 90.78	2348.26 3.83 4.40 91.50	53376.9 87.16
No	198.176 . . .	657.803 1.07 8.37 19.30	2646.63 4.32 33.66 15.58	1875.43 3.06 3.06 23.86 13.11	1889.37 3.09 24.03 10.65	574.172 0.94 7.30 9.22	218.275 0.36 2.78 8.50	7861.67 12.84
Total	. .	3408.83 5.57	16991.1 27.75	14307.4 23.36	17737.6 28.96	6227.12 10.17	2566.54 4.19	61238.6 100.00
Frequency Missing = 2937.1207697								

$\chi^2 = 433.5690$, $p < .0001$

Q12a. Before I could register for classes I was required to take a placement test…
(REQPTEST) crossed with created variable indicating that student took a placement test (after cleaning) (TOOKPLTST)

Table of reqptest by tookpltst			
reqptest(Required to take a placement test)	tookpltst(Flag indicating respondent took a placement test)		
Frequency Percent Row Pct Col Pct	0. No	1. Yes	Total
.	1028.29 . . .	328.146 . . .	. .
Yes	1940.76 3.09 3.54 28.69	52818.6 84.08 96.46 94.23	54759.4 87.17
No	4824.57 7.68 59.86 71.31	3235.28 5.15 40.14 5.77	8059.85 12.83
Total	6765.32 10.77	56053.9 89.23	62819.2 100.00
Frequency Missing = 1356.4385643			

$\chi^2 = 23186.4131$, $p < .0001$

PP5. I became aware that I was required to take a placement test … at this college (PLTSTWHEN_R – recoded dichotomous variable) crossed with enrollment status (ENRLMENT) (Not weighted)

Table of pltstwhen_r by enrlment			
pltstwhen_r(PP5. (R) Became aware req'd to take pl test (how long before taking))	enrlment(Thinking about THIS SEMESTER/QUARTER, how would you describe your enrollment at this college?)		
Frequency Percent Row Pct Col Pct	Less Than Full-Time	Full-Time	Total
.	3339 . . .	8364 . . .	. .
0. < a month before taking test	5610 10.00 29.86 36.11	13177 23.49 70.14 32.48	18787 33.49
1. >= month before taking test	9927 17.69 26.60 63.89	27389 48.82 73.40 67.52	37316 66.51
Total	15537 27.69	40566 72.31	56103 100.00
Frequency Missing = 11703			

$\chi^2 = 66.2608$, $p < .0001$

PP5. I became aware that I was required to take a placement test … at this college
(PLTSTWHEN_R – recoded dichotomous variable) crossed with gender (SEX)

Table of pltstwhen_r by sex				
pltstwhen_r(PP5. (R) Became aware req'd to take pl test (how long before taking))	**sex(Your Sex)**			
Frequency Percent Row Pct Col Pct	**.**	**Male**	**Female**	**Total**
.	864.878 . . .	4912.52 . . .	5351.96 . . .	. .
0. < a month before taking test	542.835 . . .	7873.91 15.25 44.52 35.72	9811.23 19.00 55.48 33.16	17685.1 34.25
1. >= month before taking test	870.245 . . .	14172.1 27.45 41.75 64.28	19776 38.30 58.25 66.84	33948.1 65.75
Total	. .	22046 42.70	29587.2 57.30	51633.2 100.00
Frequency Missing = 12542.436394				

$\chi^2 = 36.6322$, $p < .0001$

PP5. I became aware that I was required to take a placement test … at this college (PLTSTWHEN_R – recoded dichotomous variable) crossed with student age (STUDAGE, traditional age [< 25] vs. non-traditional age [25 and over])

Table of pltstwhen_r by studage				
pltstwhen_r(PP5. (R) Became aware req'd to take pl test (how long before taking))	studage(Traditional Age vs. Non-Traditional Age)			
Frequency Percent Row Pct Col Pct	.	Traditional-Age	Nontraditional-Age	Total
.	722.216 . . .	8528.98 . . .	1878.16 . . .	. .
0. < a month before taking test	249.22 . . .	13830.4 26.37 76.93 32.60	4148.36 7.91 23.07 41.43	17978.8 34.29
1. >= month before taking test	359.486 . . .	28594.3 54.53 82.98 67.40	5864.52 11.18 17.02 58.57	34458.9 65.71
Total	. .	42424.7 80.91	10012.9 19.09	52437.6 100.00
Frequency Missing = 11738.062171				

$\chi^2 = 280.3621$, $p < .0001$

PP5. I became aware that I was required to take a placement test … at this college (PLTSTWHEN_R – recoded dichotomous variable) crossed with race/ethnicity (DIVERSIT)

Table of pltstwhen_r by diversit									
pltstwhen_r(PP5. (R) Became aware req'd to take pl test (how long before taking))	diversit(What is your racial/ethnic identification?)								
Frequency Percent Row Pct Col Pct	.	American Indian or Native American	Asian, Asian American, or Pacific Islander	Native Hawaiian	Black or African American, Non-Hispanic	White, Non-Hispanic	Hispanic, Latino, Spanish	Other	Total
.	956.796 . . .	180.034 . . .	294.8 . . .	13.2844 . . .	1808.86 . . .	5353.59 . . .	2054.35 . . .	467.642 . . .	. .
0. < a month before taking test	400.161 . . .	335.302 0.65 1.88 37.61	571.916 1.10 3.21 34.20	38.3453 0.07 0.22 39.68	3204.6 6.17 17.98 36.62	9116.67 17.56 51.14 33.44	3791.05 7.30 21.26 33.85	769.931 1.48 4.32 37.55	17827.8 34.34
1. >= month before taking test	723.884 . . .	556.333 1.07 1.63 62.39	1100.3 2.12 3.23 65.80	58.2925 0.11 0.17 60.32	5545.63 10.68 16.27 63.38	18146.4 34.95 53.22 66.56	7406.92 14.27 21.72 66.15	1280.56 2.47 3.76 62.45	34094.5 65.66
Total	. .	891.635 1.72	1672.21 3.22	96.6378 0.19	8750.23 16.85	27263.1 52.51	11198 21.57	2050.49 3.95	51922.3 100.00
Frequency Missing = 12253.400866									

$\chi^2 = 46.0170$, $p < .0001$

PP5. I became aware that I was required to take a placement test … at this college (PLTSTWHEN_R – recoded dichotomous variable) crossed with developmental status (DEVELOPM)

Table of pltstwhen_r by developm				
pltstwhen_r(PP5. (R) Became aware req'd to take pl test (how long before taking))	**developm(Developmental Students vs. Non-Developmental Students)**			
Frequency Percent Row Pct Col Pct	**.**	**Developmental**	**Non-Development al**	**Total**
.	221.828 . . .	5166.49 . . .	5741.04 . . .	. .
0. < a month before taking test	231.772 . . .	12403.7 23.68 68.92 35.18	5592.48 10.68 31.08 32.68	17996.2 34.36
1. >= month before taking test	438.079 . . .	22859 43.64 66.49 64.82	11521.3 22.00 33.51 67.32	34380.3 65.64
Total	. .	35262.7 67.33	17113.8 32.67	52376.5 100.00
Frequency Missing = 11799.206667				

$\chi^2 = 31.8538$, $p < .0001$

PP5. I became aware that I was required to take a placement test … at this college (PLTSTWHEN_R – recoded dichotomous variable) crossed with first generation status (FIRSTGEN)

Table of pltstwhen_r by firstgen			
pltstwhen_r(PP5. (R) Became aware req'd to take pl test (how long before taking))	firstgen(First Generation vs. Not First Generation)		
Frequency Percent Row Pct Col Pct	First-Generation	Not First-Generation	Total
.	4719.76 . . .	6409.59 . . .	. .
0. < a month before taking test	8080.47 15.23 44.33 35.04	10147.5 19.13 55.67 33.84	18228 34.36
1. >= month before taking test	14982.5 28.24 43.03 64.96	19835.9 37.39 56.97 66.16	34818.4 65.64
Total	23062.9 43.48	29983.4 56.52	53046.3 100.00
Frequency Missing = 11129.355758			

$\chi^2 = 8.2234$, $p = .0041$

PP5. I became aware that I was required to take a placement test … at this college (PLTSTWHEN_R – recoded dichotomous variable) crossed with Q12a. Before I could register for classes I was required to take a placement test… (REQPTEST)

Table of pltstwhen_r by reqptest				
pltstwhen_r(PP5. (R) Became aware req'd to take pl test (how long before taking))	reqptest(Required to take a placement test)			
Frequency Percent Row Pct Col Pct	.	Yes	No	Total
.	352.356 . . .	5402.74 . . .	5374.26 . . .	. .
0. < a month before taking test	367.233 . . .	16730.5 32.15 93.67 33.90	1130.25 2.17 6.33 42.09	17860.7 34.32
1. >= month before taking test	636.849 . . .	32626.2 62.69 95.45 66.10	1555.34 2.99 4.55 57.91	34181.5 65.68
Total	. .	49356.7 94.84	2685.59 5.16	52042.2 100.00
Frequency Missing = 12133.438511				

χ^2 = 75.7660, p < .0001

PP5. I became aware that I was required to take a placement test … at this college (PLTSTWHEN_R – recoded dichotomous variable) crossed with the calculated flag variable created to identify students who took a placement test (TOOKPLTST)

Table of pltstwhen_r by tookpltst			
pltstwhen_r(PP5. (R) Became aware req'd to take pl test (how long before taking))	tookpltst(Flag indicating respondent took a placement test)		
Frequency **Percent** **Row Pct** **Col Pct**	**0. No**	**1. Yes**	**Total**
.	4740.68 . . .	6388.67 . . .	. .
0. < a month before taking test	1201.54 2.27 6.59 39.36	17026.4 32.10 93.41 34.06	18228 34.36
1. >= month before taking test	1851.39 3.49 5.32 60.64	32967 62.15 94.68 65.94	34818.4 65.64
Total	3052.93 5.76	49993.4 94.24	53046.3 100.00
Frequency Missing = 11129.355758			

$$\chi^2 = 35.8282, \ p < .0001$$

PP6. While I was in high school, besides taking the SAT or ACT, I completed this college's placement test … to assess my academic skills in reading, writing, and/or math (PLTSTHS) crossed with enrollment status (ENRLMENT) (Not weighted)

Table of pltsths by enrlment			
pltsths(PP6. While in HS, I took the college's placement test)	enrlment(Thinking about THIS SEMESTER/QUARTER, how would you describe your enrollment at this college?)		
Frequency Percent Row Pct Col Pct	Less Than Full-Time	Full-Time	Total
.	1804 . . .	3862 . . .	. .
1. Yes	6190 9.96 24.92 36.26	18646 30.01 75.08 41.37	24836 39.97
2. No	7503 12.07 27.81 43.95	19476 31.34 72.19 43.21	26979 43.42
3. I don't remember	3379 5.44 32.73 19.79	6946 11.18 67.27 15.41	10325 16.62
Total	17072 27.47	45068 72.53	62140 100.00
Frequency Missing = 5666			

$$\chi^2 = 225.5683, \; p < .0001$$

PP6. While I was in high school, besides taking the SAT or ACT, I completed this college's placement test … to assess my academic skills in reading, writing, and/or math (PLTSTHS) crossed with gender (SEX)

Table of pltsths by sex				
pltsths(PP6. While in HS, I took the college's placement test)	**sex(Your Sex)**			
Frequency Percent Row Pct Col Pct	**.**	**Male**	**Female**	**Total**
.	745.366 . . .	2514.34 . . .	2312.2 . . .	. .
1. Yes	581.565 . . .	9242.67 16.19 41.86 37.81	12839.5 22.50 58.14 39.35	22082.2 38.69
2. No	633.634 . . .	11037.7 19.34 44.32 45.15	13868 24.30 55.68 42.50	24905.6 43.64
3. I don't remember	317.394 . . .	4163.85 7.30 41.29 17.03	5919.49 10.37 58.71 18.14	10083.3 17.67
Total	. .	24444.2 42.83	32627 57.17	57071.2 100.00
Frequency Missing = 7104.506568				

$\chi^2 = 40.7927$, *p* < .0001

PP6. While I was in high school, besides taking the SAT or ACT, I completed this college's placement test … to assess my academic skills in reading, writing, and/or math (PLTSTHS) crossed with student age (STUDAGE, traditional age [< 24] vs. non-traditional age [25 or older])

Table of pltsths by studage				
pltsths(PP6. While in HS, I took the college's placement test)	**studage(Traditional Age vs. Non-Traditional Age)**			
Frequency Percent Row Pct Col Pct	**.**	**Traditional-Age**	**Nontraditional-Age**	**Total**
.	638.948 . . .	3930.89 . . .	1002.08 . . .	. .
1. Yes	242.962 . . .	20279 35.02 90.45 43.13	2141.78 3.70 9.55 19.67	22420.8 38.72
2. No	297.615 . . .	19786.9 34.17 78.39 42.08	5454.77 9.42 21.61 50.09	25241.7 43.59
3. I don't remember	151.397 . . .	6956.92 12.01 67.88 14.79	3292.41 5.69 32.12 30.24	10249.3 17.70
Total	. .	47022.8 81.20	10889 18.80	57911.8 100.00
Frequency Missing = 6263.8879142				

$\chi^2 = 2578.0305$, $p < .0001$

PP6. While I was in high school, besides taking the SAT or ACT, I completed this college's placement test … to assess my academic skills in reading, writing, and/or math (PLTSTHS) crossed with race/ethnicity (DIVERSIT)

Table of pltsths by diversit									
pltsths(PP6. While in HS, I took the college's placement test)		diversit(What is your racial/ethnic identification?)							
Frequency Percent Row Pct Col Pct	.	American Indian or Native American	Asian, Asian American, or Pacific Islander	Native Hawaiian	Black or African American, Non-Hispanic	White, Non-Hispanic	Hispanic, Latino, Spanish	Other	Total
.	793.473	118.016 . . .	136.794 . . .	14.8472 . . .	1040.61 . . .	2221.77 . . .	981.709 . . .	264.698 . . .	. . . .
1. Yes	475.428 . . .	382.674 0.67 1.72 40.13	789.861 1.38 3.56 43.16	39.2424 0.07 0.18 41.28	3633.13 6.34 16.37 38.17	11684.7 20.39 52.66 38.44	4822.98 8.41 21.74 39.31	835.734 1.46 3.77 37.09	22188.3 38.71
2. No	539.464 . . .	358.404 0.63 1.43 37.58	751.578 1.31 3.01 41.06	28.842 0.05 0.12 30.34	4120.68 7.19 16.48 43.29	13827.4 24.12 55.31 45.49	4938.05 8.62 19.75 40.24	974.89 1.70 3.90 43.26	24999.8 43.62
3. I don't remember	272.477 . . .	212.575 0.37 2.10 22.29	288.782 0.50 2.85 15.78	26.9906 0.05 0.27 28.39	1764.68 3.08 17.42 18.54	4882.84 8.52 48.21 16.06	2509.58 4.38 24.78 20.45	442.809 0.77 4.37 19.65	10128.2 17.67
Total	. .	953.653 1.66	1830.22 3.19	95.075 0.17	9518.49 16.61	30394.9 53.03	12270.6 21.41	2253.43 3.93	57316.4 100.00
Frequency Missing = 6859.2827196									

$\chi^2 = 213.8632$, $p < .0001$

PP6. While I was in high school, besides taking the SAT or ACT, I completed this college's placement test … to assess my academic skills in reading, writing, and/or math (PLTSTHS) crossed with developmental status (DEVELOPM)

Table of pltsths by developm				
pltsths(PP6. While in HS, I took the college's placement test)	developm(Developmental Students vs. Non-Developmental Students)			
Frequency Percent Row Pct Col Pct	.	Developmental	Non-Developmental	Total
.	112.173 . . .	3814.22 . . .	1645.52 . . .	. .
1. Yes	314.537 . . .	14523.9 25.12 64.99 39.67	7825.34 13.53 35.01 36.90	22349.2 38.65
2. No	306.205 . . .	14967.3 25.88 59.32 40.88	10265.8 17.75 40.68 48.40	25233.1 43.64
3. I don't remember	158.764 . . .	7123.79 12.32 69.55 19.46	3118.18 5.39 30.45 14.70	10242 17.71
Total	. .	36615 63.32	21209.3 36.68	57824.3 100.00
Frequency Missing = 6351.4192228				

$\chi^2 = 372.3060$, $p < .0001$

PP6. While I was in high school, besides taking the SAT or ACT, I completed this college's placement test … to assess my academic skills in reading, writing, and/or math (PLTSTHS) crossed with first generation status (FIRSTGEN)

Table of pltsths by firstgen			
pltsths(PP6. While in HS, I took the college's placement test)	firstgen(First Generation vs. Not First Generation)		
Frequency Percent Row Pct Col Pct	First-Generation	Not First-Generation	Total
.	2886.07 . . .	2685.85 . . .	. .
1. Yes	9287.98 15.85 40.98 37.31	13375.8 22.82 59.02 39.68	22663.8 38.67
2. No	10568.9 18.03 41.38 42.45	14970.4 25.55 58.62 44.41	25539.3 43.58
3. I don't remember	5039.76 8.60 48.46 20.24	5360.96 9.15 51.54 15.90	10400.7 17.75
Total	24896.6 42.48	33707.1 57.52	58603.8 100.00
Frequency Missing = 5571.9137115			

$\chi^2 = 185.4091$, $p < .0001$

PP6. While I was in high school, besides taking the SAT or ACT, I completed this college's placement test … to assess my academic skills in reading, writing, and/or math (PLTSTHS) crossed with overall high school grade (HSGRADE)

Table of pltsths by hsgrade								
pltsths(PP6. While in HS, I took the college's placement test)	hsgrade(Q28. Overall HS GPA)							
Frequency Percent Row Pct Col Pct	.	A	A- to B+	B	B- to C+	C	C- or lower	Total
.	673.544	262.667 .	1282.72 .	1064.42 .	1519.19 .	546.421 .	222.948 .	. .
1. Yes	338.963 . . .	1232.99 2.14 5.52 38.39	6698.83 11.64 30.01 41.88	5488.1 9.53 24.58 40.44	6476.54 11.25 29.01 39.16	1856.37 3.22 8.32 31.72	571.987 0.99 2.56 23.89	22324.8 38.78
2. No	469.804 . . .	1582 2.75 6.31 49.25	6889.76 11.97 27.48 43.07	5843.27 10.15 23.31 43.06	6839.61 11.88 27.28 41.36	2688.52 4.67 10.72 45.94	1226.3 2.13 4.89 51.22	25069.5 43.55
3. I don't remember	231.917 . . .	396.988 0.69 3.90 12.36	2408.42 4.18 23.68 15.06	2239.67 3.89 22.02 16.50	3220.82 5.60 31.67 19.48	1307.11 2.27 12.85 22.34	595.797 1.04 5.86 24.89	10168.8 17.67
Total	. .	3211.98 5.58	15997 27.79	13571 23.58	16537 28.73	5851.99 10.17	2394.09 4.16	57563.1 100.00
Frequency Missing = 6612.5979158								

$\chi^2 = 642.6553$, $p < .0001$

PP7. Before enrolling at this college, I prepared for this college's placement test … in the following way (PLTSTPREP_R, dichotomous recode: prepared vs. did not prepare) crossed with enrollment status (ENRLMENT)

Table of pltstprep_r by enrlment			
pltstprep_r(PP7. (R) Before enrolling, ... prep'd for placement test)	enrlment(Thinking about THIS SEMESTER/QUARTER, how would you describe your enrollment at this college?)		
Frequency Percent Row Pct Col Pct	Less Than Full-Time	Full-Time	Total
.	3984 . . .	10381 . . .	. .
0. Did not prepare for pl. test	8722 16.32 27.88 58.57	22563 42.22 72.12 58.53	31285 58.54
1. Prepared for pl. test	6170 11.55 27.85 41.43	15986 29.91 72.15 41.47	22156 41.46
Total	14892 27.87	38549 72.13	53441 100.00
Frequency Missing = 14365			

$\chi^2 = .0063$, $p = .9369$

PP7. Before enrolling at this college, I prepared for this college's placement test … in the following way (PLTSTPREP_R, dichotomous recode: prepared vs. did not prepare) crossed with gender (SEX)

Table of pltstprep_r by sex				
pltstprep_r(PP7. (R) Before enrolling, ... prep'd for placement test)	sex(Your Sex)			
Frequency Percent Row Pct Col Pct	.	Male	Female	Total
.	925.786 . . .	5933.24 . . .	6729.21 . . .	. .
0. Did not prepare for pl. test	742.917 . . .	12490.7 25.37 43.27 59.41	16378 33.26 56.73 58.06	28868.7 58.63
1. Prepared for pl. test	609.256 . . .	8534.57 17.33 41.90 40.59	11832 24.03 58.10 41.94	20366.6 41.37
Total	. .	21025.3 42.70	28210 57.30	49235.3 100.00
Frequency Missing = 14940.409076				

$\chi^2 = 9.0606$, $p = .0026$

PP7. Before enrolling at this college, I prepared for this college's placement test … in the following way (PLTSTPREP_R, dichotomous recode: prepared vs. did not prepare) crossed with student age (STUDAGE, traditional age [< 25] vs. non-traditional age [25 and over])

Table of pltstprep_r by studage				
pltstprep_r(PP7. (R) Before enrolling, ... prep'd for placement test)	studage(Traditional Age vs. Non-Traditional Age)			
Frequency Percent Row Pct Col Pct	.	Traditional-Age	Nontraditional-Age	Total
.	733.584 . . .	10547.4 . . .	2307.22 . . .	. .
0. Did not prepare for pl. test	325.37 . . .	23354.9 46.72 79.75 57.80	5931.38 11.87 20.25 61.89	29286.3 58.58
1. Prepared for pl. test	271.968 . . .	17051.4 34.11 82.36 42.20	3652.45 7.31 17.64 38.11	20703.8 41.42
Total	. .	40406.3 80.83	9583.83 19.17	49990.1 100.00
Frequency Missing = 14185.574978				

$\chi^2 = 53.3889$, $p < .0001$

PP7. Before enrolling at this college, I prepared for this college's placement test … in the following way (PLTSTPREP_R, dichotomous recode: prepared vs. did not prepare) crossed with race/ethnicity (DIVERSIT)

Table of pltstprep_r by diversit									
pltstprep_r(PP7. (R) Before enrolling, ... prep'd for placement test)	diversit(What is your racial/ethnic identification?)								
Frequency Percent Row Pct Col Pct	.	American Indian or Native American	Asian, Asian American, or Pacific Islander	Native Hawaiian	Black or African American, Non-Hispanic	White, Non-Hispanic	Hispanic, Latino, Spanish	Other	Total
.	990.639	219.679	365.092	26.2087	2126.91	6889.49	2429.05	541.166	. .
0. Did not prepare for pl. test	610.419 . . .	502.028 1.01 1.73 58.92	810.476 1.64 2.79 50.59	45.8391 0.09 0.16 54.76	4765.66 9.63 16.43 56.52	15530.9 31.38 53.55 60.37	6191.58 12.51 21.35 57.21	1154.68 2.33 3.98 58.41	29001.2 58.59
1. Prepared for pl. test	479.783 . . .	349.963 0.71 1.71 41.08	791.446 1.60 3.86 49.41	37.8744 0.08 0.18 45.24	3666.52 7.41 17.89 43.48	10196.3 20.60 49.75 39.63	4631.68 9.36 22.60 42.79	822.282 1.66 4.01 41.59	20496 41.41
Total	. .	851.99 1.72	1601.92 3.24	83.7135 0.17	8432.18 17.04	25727.2 51.98	10823.3 21.87	1976.96 3.99	49497.2 100.00
Frequency Missing = 14678.438583									

$\chi^2 = 99.7717$, $p < .0001$

PP7. Before enrolling at this college, I prepared for this college's placement test … in the following way (PLTSTPREP_R, dichotomous recode: prepared vs. did not prepare) crossed with developmental status (DEVELOPM)

Table of pltstprep_r by developm				
pltstprep_r(PP7. (R) Before enrolling, ... prep'd for placement test)	develomp(Developmental Students vs. Non-Developmental Students)			
Frequency Percent Row Pct Col Pct	.	Development al	Non-Development al	Total
.	257.156 . . .	6494.84 . . .	6836.24 . . .	. .
0. Did not prepare for pl. test	359.115 . . .	19446.4 38.93 66.48 57.31	9806.06 19.63 33.52 61.22	29252.5 58.56
1. Prepared for pl. test	275.408 . . .	14487.9 29.00 69.99 42.69	6212.53 12.44 30.01 38.78	20700.4 41.44
Total	. .	33934.3 67.93	16018.6 32.07	49952.9 100.00
Frequency Missing = 14222.759604				

$\chi^2 = 68.5768$, $p < .0001$

PP7. Before enrolling at this college, I prepared for this college's placement test … in the following way (PLTSTPREP_R, dichotomous recode: prepared vs. did not prepare) crossed with first generation status (FIRSTGEN)

Table of pltstprep_r by firstgen			
pltstprep_r(PP7. (R) Before enrolling, ... prep'd for placement test)	**firstgen(First Generation vs. Not First Generation)**		
Frequency Percent Row Pct Col Pct	**First-Generation**	**Not First-Generation**	**Total**
.	5671.24 . . .	7917 . . .	. .
0. Did not prepare for pl. test	12883.2 25.47 43.51 58.26	16728.5 33.07 56.49 58.75	29611.6 58.54
1. Prepared for pl. test	9228.29 18.24 43.99 41.74	11747.5 23.22 56.01 41.25	20975.8 41.46
Total	22111.5 43.71	28476 56.29	50587.4 100.00
Frequency Missing = 13588.236339			

$\chi^2 = 1.1871$, *p* = .2759

PP7. Before enrolling at this college, I prepared for this college's placement test … in the following way (PLTSTPREP_R, dichotomous recode: prepared vs. did not prepare) crossed with Q12a. Before I could register for classes I was required to take a placement test… (REQPTEST)

Table of pltstprep_r by reqptest				
pltstprep_r(PP7. (R) Before enrolling, ... prep'd for placement test)	reqptest(Required to take a placement test)			
Frequency Percent Row Pct Col Pct	.	Yes	No	Total
.	384.575 . . .	7695.22 . . .	5508.44 . . .	. .
0. Did not prepare for pl. test	502.893 . . .	27730.8 55.89 95.27 58.92	1377.98 2.78 4.73 54.01	29108.7 58.67
1. Prepared for pl. test	468.97 . . .	19333.4 38.97 94.28 41.08	1173.42 2.37 5.72 45.99	20506.8 41.33
Total	. .	47064.2 94.86	2551.41 5.14	49615.6 100.00
Frequency Missing = 14560.09948				

$\chi^2 = 24.0849$, $p < .0001$

PP7. Before enrolling at this college, I prepared for this college's placement test … in the following way (PLTSTPREP_R, dichotomous recode: prepared vs. did not prepare) crossed with created variable indicating that student took a placement test (after cleaning) (TOOKPLTST)

Table of pltstprep_r by tookpltst			
pltstprep_r(PP7. (R) Before enrolling, ... prep'd for placement test)	**tookpltst(Flag indicating respondent took a placement test)**		
Frequency Percent Row Pct Col Pct	**0. No**	**1. Yes**	**Total**
.	4905.31 . . .	8682.93 . . .	. .
0. Did not prepare for pl. test	1503.59 2.97 5.08 52.06	28108 55.56 94.92 58.93	29611.6 58.54
1. Prepared for pl. test	1384.72 2.74 6.60 47.94	19591.1 38.73 93.40 41.07	20975.8 41.46
Total	2888.31 5.71	47699.1 94.29	50587.4 100.00
Frequency Missing = 13588.236339			

$\chi^2 = 52.9599$, $p < .0001$

Q14. This college required me to enroll in classes indicated by my placement test scores during my first semester/quarter (REQCLASS) crossed with enrollment status (ENRLMENT) (Not weighted)

Table of reqclass by enrlment			
reqclass(This college required me to enroll in classes indicated by my placement test scores during my FIRST SEMESTER/QUARTER)	enrlment(Thinking about THIS SEMESTER/QUARTER, how would you describe your enrollment at this college?)		
Frequency Percent Row Pct Col Pct	Less Than Full-Time	Full-Time	Total
.	133 . . .	394 . . .	. .
Yes	13094 22.06 28.13 80.32	33447 56.36 71.87 77.70	46541 78.42
No	3209 5.41 25.06 19.68	9598 16.17 74.94 22.30	12807 21.58
Total	16303 27.47	43045 72.53	59348 100.00
Frequency Missing = 527			

$$\chi^2 = 47.7483, \; p < .0001$$

Analysis subgroup: *SENSE* 2014 three-year cohort respondents who responded to the Promising Practices item set who took a placement test (TOOKPLTST = 1)

Q14. This college required me to enroll in classes indicated by my placement test scores during my first semester/quarter (REQCLASS) crossed with gender (SEX)

Table of reqclass by sex				
reqclass(This college required me to enroll in classes indicated by my placement test scores during my FIRST SEMESTER/QUARTER)	sex(Your Sex)			
Frequency Percent Row Pct Col Pct	.	Male	Female	Total
.	46.4212 . . .	208.203 . . .	228.702 . . .	. .
Yes	1467.11 . . .	17405.6 32.19 40.88 74.52	25175.3 46.56 59.12 81.96	42580.9 78.74
No	356.667 . . .	5952.24 11.01 51.79 25.48	5541.83 10.25 48.21 18.04	11494.1 21.26
Total	. .	23357.9 43.20	30717.1 56.80	54075 100.00
Frequency Missing = 2307.1009631				

$$\chi^2 = 438.9576, \ p < .0001$$

Analysis subgroup: *SENSE* 2014 three-year cohort respondents who responded to the Promising Practices item set who took a placement test (TOOKPLTST = 1)

Q14. This college required me to enroll in classes indicated by my placement test scores during my first semester/quarter (REQCLASS) crossed with student age (STUDAGE, traditional age [< 25] vs. non-traditional age [25 and over])

Table of reqclass by studage				
reqclass(This college required me to enroll in classes indicated by my placement test scores during my FIRST SEMESTER/QUARTER)	studage(Traditional Age vs. Non-Traditional Age)			
Frequency Percent Row Pct Col Pct	.	Traditional-Age	Nontraditional-Age	Total
.	30.1643 . . .	369.245 . . .	83.9172 . . .	. .
Yes	814.897 . . .	35044.7 63.87 81.06 78.18	8188.38 14.92 18.94 81.52	43233.1 78.79
No	210.746 . . .	9783.33 17.83 84.05 21.82	1856.66 3.38 15.95 18.48	11640 21.21
Total	. .	44828.1 81.69	10045 18.31	54873.1 100.00
Frequency Missing = 1508.969315				

$$\chi^2 = 54.8004, \ p < .0001$$

Analysis subgroup: *SENSE* 2014 three-year cohort respondents who responded to the Promising Practices item set who took a placement test (TOOKPLTST = 1)

Q14. This college required me to enroll in classes indicated by my placement test scores during my first semester/quarter (REQCLASS) crossed with race/ethnicity (DIVERSIT)

Table of reqclass by diversit									
reqclass(This college required me to enroll in classes indicated by my placement test scores during my FIRST SEMESTER/QUARTER)		**Diversit (What is your racial/ethnic identification?)**							
Frequency Percent Row Pct Col Pct	**.**	**American Indian or Native American**	**Asian, Asian American, or Pacific Islander**	**Native Hawaiian**	**Black or African American, Non-Hispanic**	**White, Non-Hispanic**	**Hispanic, Latino, Spanish**	**Other**	**Total**
.	41.5073	8.76092 . . .	12.4642 . . .	4.24749 . . .	83.9276 . . .	213.165 . . .	101.146 . . .	18.1074 . . .	. . . .
0. Did not prepare for pl. test	1301.16 . . .	724.373 1.33 1.69 77.92	1366.7 2.52 3.20 78.89	63.0882 0.12 0.15 68.92	8140.58 15.00 19.04 90.10	20804.2 38.33 48.67 72.26	9895.12 18.23 23.15 85.87	1752.79 3.23 4.10 80.42	42746.8 78.75
1. Prepared for pl. test	314.849 . . .	205.257 0.38 1.78 22.08	365.819 0.67 3.17 21.11	28.4506 0.05 0.25 31.08	894.106 1.65 7.75 9.90	7986.69 14.71 69.23 27.74	1628.75 3.00 14.12 14.13	426.805 0.79 3.70 19.58	11535.9 21.25
Total	. .	929.63 1.71	1732.52 3.19	91.5387 0.17	9034.69 16.64	28790.9 53.04	11523.9 21.23	2179.59 4.02	54282.7 100.00
Frequency Missing = 2099.3347443									

$\chi^2 = 1778.6356$, $p < .0001$

Analysis subgroup: *SENSE* 2014 three-year cohort respondents who responded to the Promising Practices item set who took a placement test (TOOKPLTST = 1)

Q14. This college required me to enroll in classes indicated by my placement test scores during my first semester/quarter (REQCLASS) crossed with developmental status (DEVELOPM)

Table of reqclass by developm				
reqclass(This college required me to enroll in classes indicated by my placement test scores during my FIRST SEMESTER/QUARTER)	developm(Developmental Students vs. Non-Developmental Students)			
Frequency Percent Row Pct Col Pct	.	Developmental	Non-Developmental	Total
.	16.775 . . .	308.706 . . .	157.846 . . .	. .
Yes	190.55 . . .	33384.7 60.02 76.12 90.45	10472.7 18.83 23.88 55.96	43857.5 78.85
No	85.2172 . . .	3523.6 6.33 29.95 9.55	8241.92 14.82 70.05 44.04	11765.5 21.15
Total	. .	36908.3 66.35	18714.6 33.65	55623 100.00
Frequency Missing = 759.09376233				

$$\chi^2 = 8858.7126, \; p < .0001$$

Analysis subgroup: *SENSE* 2014 three-year cohort respondents who responded to the Promising Practices item set who took a placement test (TOOKPLTST = 1)

Q14. This college required me to enroll in classes indicated by my placement test scores during my first semester/quarter (REQCLASS) crossed with first generation status (FIRSTGEN)

Table of reqclass by firstgen			
reqclass(This college required me to enroll in classes indicated by my placement test scores during my FIRST SEMESTER/QUARTER)	firstgen(First Generation vs. Not First Generation)		
Frequency Percent Row Pct Col Pct	First-Generation	Not First-Generation	Total
.	229.283 . . .	254.043 . . .	. .
Yes	20114.9 35.98 45.67 83.07	23933.1 42.82 54.33 75.53	44048 78.80
No	4098.88 7.33 34.59 16.93	7751.85 13.87 65.41 24.47	11850.7 21.20
Total	24213.8 43.32	31685 56.68	55898.7 100.00
Frequency Missing = 483.32620025			

$$\chi^2 = 466.7631, p, .0001$$

Analysis subgroup: *SENSE* 2014 three-year cohort respondents who responded to the Promising Practices item set who took a placement test (TOOKPLTST = 1)

Q14. This college required me to enroll in classes indicated by my placement test scores during my first semester/quarter (REQCLASS) crossed with Q12a. Before I could register for classes I was required to take a placement test… (REQPTEST)

Table of reqclass by reqptest				
reqclass(This college required me to enroll in classes indicated by my placement test scores during my FIRST SEMESTER/QUARTER)	**reqptest(Required to take a placement test)**			
Frequency Percent Row Pct Col Pct	**.**	**Yes**	**No**	**Total**
.	13.667 . . .	424.538 . . .	45.1208 . . .	. .
Yes	233.019 . . .	42210.2 75.94 96.34 80.56	1604.79 2.89 3.66 50.30	43815 78.83
No	81.4603 . . .	10183.9 18.32 86.53 19.44	1585.37 2.85 13.47 49.70	11769.3 21.17
Total	. .	52394.1 94.26	3190.16 5.74	55584.3 100.00
Frequency Missing = 797.80522489				

$$\chi^2 = 1649.5579, \; p < .0001$$

Analysis subgroup: *SENSE* 2014 three-year cohort respondents who responded to the Promising Practices item set who took a placement test (TOOKPLTST = 1)

PP9. I was told that I was required to take a developmental/basic skills/college prep course in my first semester, and I [did / didn't] (REQ2TKDEV_R, dichotomous recode) crossed with enrollment status (ENRLMENT) (Not weighted)

Table of req2tkdev_r by enrlment			
req2tkdev_r(PP9. (R) Told req'd to take a dev ed crse 1st term and I (did/not))	enrlment(Thinking about THIS SEMESTER/QUARTER, how would you describe your enrollment at this college?)		
Frequency Percent Row Pct Col Pct	Less Than Full-Time	Full-Time	Total
.	3345 . . .	8992 . . .	. .
0. Did not enroll in any	1152 3.37 29.08 11.82	2809 8.21 70.92 11.49	3961 11.58
1. Enrolled in 1+ course	8597 25.13 28.43 88.18	21646 63.28 71.57 88.51	30243 88.42
Total	9749 28.50	24455 71.50	34204 100.00
Frequency Missing = 12337			

$\chi^2 = .7422$, $p = .3890$

Analysis subgroup: *SENSE* 2014 three-year cohort respondents who responded to the Promising Practices item set who took a placement test (TOOKPLTST = 1) and who were required to enroll in classes indicated by their placement test score in their first term (REQCLASS = 1)

PP9. I was told that I was required to take a developmental/basic skills/college prep course in my first semester, and I [did / didn't] (REQ2TKDEV_R, dichotomous recode) crossed with gender (SEX)

Table of req2tkdev_r by sex				
req2tkdev_r(PP9. (R) Told req'd to take a dev ed crse 1st term and I (did/not))	**sex(Your Sex)**			
Frequency **Percent** **Row Pct** **Col Pct**	**.**	**Male**	**Female**	**Total**
.	652.668 . . .	4648.33 . . .	6212.39 . . .	. .
0. Did not enroll in any	123.133 . . .	1607.35 5.07 43.62 12.60	2077.28 6.55 56.38 10.95	3684.64 11.62
1. Enrolled in 1+ course	691.306 . . .	11149.9 35.15 39.77 87.40	16885.6 53.23 60.23 89.05	28035.5 88.38
Total	. .	12757.3 40.22	18962.9 59.78	31720.2 100.00
Frequency Missing = 12327.829141				

$$\chi^2 = 20.1025,\ p < .0001$$

Analysis subgroup: *SENSE* 2014 three-year cohort respondents who responded to the Promising Practices item set who took a placement test (TOOKPLTST = 1) and who were required to enroll in classes indicated by their placement test score in their first term (REQCLASS = 1)

PP9. I was told that I was required to take a developmental/basic skills/college prep course in my first semester, and I [did / didn't] (REQ2TKDEV_R, dichotomous recode) crossed with student age (STUDAGE, traditional age [< 25] vs. non-traditional age [25 and over])

Table of req2tkdev_r by studage				
req2tkdev_r(PP9. (R) Told req'd to take a dev ed crse 1st term and I (did/not))	studage(Traditional Age vs. Non-Traditional Age)			
Frequency Percent Row Pct Col Pct	.	Traditional-Age	Nontraditional-Age	Total
.	491.322	8809.01 . . .	2213.05 . . .	. .
0. Did not enroll in any	62.1641 . . .	3253.94 10.10 86.87 12.40	491.665 1.53 13.13 8.23	3745.61 11.63
1. Enrolled in 1+ course	261.41 . . .	22981.8 71.35 80.74 87.60	5483.66 17.02 19.26 91.77	28465.4 88.37
Total	. .	26235.7 81.45	5975.33 18.55	32211 100.00
Frequency Missing = 11836.963931				

$\chi^2 = 82.5321$, $p < .0001$

Analysis subgroup: *SENSE* 2014 three-year cohort respondents who responded to the Promising Practices item set who took a placement test (TOOKPLTST = 1) and who were required to enroll in classes indicated by their placement test score in their first term (REQCLASS = 1)

PP9. I was told that I was required to take a developmental/basic skills/college prep course in my first semester, and I [did / didn't] (REQ2TKDEV_R, dichotomous recode) crossed with race/ethnicity (DIVERSIT)

Table of req2tkdev_r by diversit									
req2tkdev_r(PP9. (R) Told req'd to take a dev ed crse 1st term and I (did/not))	diversit(What is your racial/ethnic identification?)								
Frequency Percent Row Pct Col Pct	.	American Indian or Native American	Asian, Asian American, or Pacific Islander	Native Hawaiian	Black or African American, Non-Hispanic	White, Non-Hispanic	Hispanic, Latino, Spanish	Other	Total
.	665.632 . . .	187.788 . . .	356.248 . . .	25.1254 . . .	1754.04 . . .	5759.71 . . .	2279.56 . . .	485.291 . . .	. . . .
0. Did not enroll in any	99.7376 . . .	64.1517 0.20 1.73 11.96	143.504 0.45 3.87 14.20	10.4507 0.03 0.28 27.53	662.153 2.08 17.86 10.37	1720.18 5.39 46.39 11.43	931.564 2.92 25.12 12.23	176.029 0.55 4.75 13.89	3708.03 11.62
1. Enrolled in 1+ course	535.79 . . .	472.434 1.48 1.68 88.04	866.948 2.72 3.08 85.80	27.5121 0.09 0.10 72.47	5724.4 17.95 20.31 89.63	13324.3 41.77 47.26 88.57	6684 20.95 23.71 87.77	1091.47 3.42 3.87 86.11	28191.1 88.38
Total	. .	536.585 1.68	1010.45 3.17	37.9628 0.12	6386.55 20.02	15044.5 47.16	7615.56 23.87	1267.5 3.97	31899.1 100.00
Frequency Missing = 12148.917129									

$\chi^2 = 33.3467$, $p < .0001$

Analysis subgroup: *SENSE* 2014 three-year cohort respondents who responded to the Promising Practices item set who took a placement test (TOOKPLTST = 1) and who were required to enroll in classes indicated by their placement test score in their first term (REQCLASS = 1)

PP9. I was told that I was required to take a developmental/basic skills/college prep course in my first semester, and I [did / didn't] (REQ2TKDEV_R, dichotomous recode) crossed with developmental status (DEVELOPM)

Table of req2tkdev_r by developm				
req2tkdev_r (PP9. (R) Told req'd to take a dev ed crse 1st term and I (did/not))	Develotm (Developmental Students vs. Non-Developmental Students)			
Frequency Percent Row Pct Col Pct	.	Developmental	Non-Developmental	Total
.	90.0077	5652.27	5771.11	. .
0. Did not enroll in any	28.6026 . . .	1669.45 5.15 44.17 6.02	2109.72 6.50 55.83 44.87	3779.17 11.65
1. Enrolled in 1+ course	71.9401 . . .	26063 80.36 90.95 93.98	2591.88 7.99 9.05 55.13	28654.9 88.35
Total	. .	27732.5 85.50	4701.6 14.50	32434.1 100.00
Frequency Missing = 11613.932185				

$$\chi^2 = 5894.9641, \; p < .0001$$

Analysis subgroup: *SENSE* 2014 three-year cohort respondents who responded to the Promising Practices item set who took a placement test (TOOKPLTST = 1) and who were required to enroll in classes indicated by their placement test score in their first term (REQCLASS = 1)

PP9. I was told that I was required to take a developmental/basic skills/college prep course in my first semester, and I [did / didn't] (REQ2TKDEV_R, dichotomous recode) crossed with first generation status (FIRSTGEN)

Table of req2tkdev_r by firstgen			
req2tkdev_r (PP9. (R) Told req'd to take a dev ed crse 1st term and I (did/not))	**Firstgen (First Generation vs. Not First Generation)**		
Frequency Percent Row Pct Col Pct	**First-Generation**	**Not First-Generation**	**Total**
.	5075.7 . . .	6437.69 . . .	. .
0. Did not enroll in any	1735.64 5.33 45.58 11.54	2072.13 6.37 54.42 11.84	3807.77 11.70
1. Enrolled in 1+ course	13303.5 40.89 46.31 88.46	15423.3 47.41 53.69 88.16	28726.8 88.30
Total	15039.2 46.23	17495.4 53.77	32534.6 100.00
Frequency Missing = 11513.389528			

$$\chi^2 = .7188, \ p = .3965$$

Analysis subgroup: *SENSE* 2014 three-year cohort respondents who responded to the Promising Practices item set who took a placement test (TOOKPLTST = 1) and who were required to enroll in classes indicated by their placement test score in their first term (REQCLASS = 1)

PP9. I was told that I was required to take a developmental/basic skills/college prep course in my first semester, and I [did / didn't] (REQ2TKDEV_R, dichotomous recode) crossed with overall high school grade (HSGRADE)

Table of req2tkdev_r by hsgrade								
req2tkdev_r(PP9. (R) Told req'd to take a dev ed crse 1st term and I (did/not))	hsgrade(Q28. Overall HS GPA)							
Frequency Percent Row Pct Col Pct	.	A	A- to B+	B	B- to C+	C	C- or lower	Total
.	575.252 . . .	654.116 . . .	3083.72 . . .	2508.18 . . .	3092.72 . . .	1124.11 . . .	475.289 . . .	. . . .
0. Did not enroll in any	68.9415 . .	178.935 0.56 4.79 14.69	958.337 2.99 25.63 11.72	913.023 2.85 24.42 12.34	1146.77 3.58 30.67 11.15	379.979 1.19 10.16 10.77	161.786 0.51 4.33 11.42	3738.83 11.67
1. Enrolled in 1+ course	439.09 . .	1039.49 3.25 3.67 85.31	7217.93 22.54 25.52 88.28	6488.28 20.26 22.94 87.66	9140.39 28.54 32.31 88.85	3147.17 9.83 11.13 89.23	1254.5 3.92 4.43 88.58	28287.8 88.33
Total	. .	1218.42 3.80	8176.26 25.53	7401.3 23.11	10287.2 32.12	3527.15 11.01	1416.29 4.42	32026.6 100.00
Frequency Missing = 12021.421035								

$$\chi^2 = 19.5095, \ p = .0015$$

Analysis subgroup: *SENSE* 2014 three-year cohort respondents who responded to the Promising Practices item set who took a placement test (TOOKPLTST = 1) and who were required to enroll in classes indicated by their placement test score in their first term (REQCLASS = 1)

PP10. Based on my academic goals at this college, I believe it will take me about this long to reach them (GOALWHEN) crossed with enrollment status (ENRLMENT)

Table of goalwhen by enrlment			
goalwhen(PP10. Based on acad goals, I believe it will take how long to complete)	enrlment(Thinking about THIS SEMESTER/QUARTER, how would you describe your enrollment at this college?)		
Frequency Percent Row Pct Col Pct	Less Than Full-Time	Full-Time	Total
.	1972 . . .	4327 . . .	. .
1. < 1 yr	1457 2.37 28.38 8.62	3677 5.98 71.62 8.24	5134 8.35
2. 1 - 2 yrs	7708 12.53 22.32 45.60	26819 43.60 77.68 60.13	34527 56.14
3. 3 - 4 yrs	4911 7.98 35.67 29.05	8856 14.40 64.33 19.86	13767 22.38
4. > 4 yrs	1248 2.03 34.53 7.38	2366 3.85 65.47 5.30	3614 5.88
5. don't know	1580 2.57 35.39 9.35	2885 4.69 64.61 6.47	4465 7.26
Total	16904 27.48	44603 72.52	61507 100.00
Frequency Missing = 6299			

$\chi^2 = 1156.3707$, $p < .0001$

PP10. Based on my academic goals at this college, I believe it will take me about this long to reach them (GOALWHEN) crossed with gender (SEX)

Table of goalwhen by sex				
goalwhen(PP10. Based on acad goals, I believe it will take how long to complete)		sex(Your Sex)		
Frequency Percent Row Pct Col Pct	.	Male	Female	Total
.	744.556	2697.16 . . .	2706.84 . . .	. .
1. < 1 yr	171.859 . . .	2510.97 4.44 51.95 10.35	2322.53 4.11 48.05 7.21	4833.5 8.56
2. 1 - 2 yrs	730.961 . . .	13118.6 23.22 44.36 54.07	16455.1 29.13 55.64 51.05	29573.7 52.35
3. 3 - 4 yrs	362.787 . . .	5141.5 9.10 36.80 21.19	8830.12 15.63 63.20 27.40	13971.6 24.73
4. > 4 yrs	118.984 . . .	1477.26 2.61 41.08 6.09	2119.08 3.75 58.92 6.57	3596.34 6.37
5. don't know	148.811 . . .	2013.06 3.56 44.55 8.30	2505.54 4.44 55.45 7.77	4518.6 8.00
Total	. .	24261.4 42.95	32232.3 57.05	56493.7 100.00
Frequency Missing = 7681.9581214				

$\chi^2 = 409.2987$, $p < .0001$

PP10. Based on my academic goals at this college, I believe it will take me about this long to reach them (GOALWHEN) crossed with student age (STUDAGE, traditional age [< 25] vs. non-traditional age [25 and over])

Table of goalwhen by studage				
goalwhen(PP10. Based on acad goals, I believe it will take how long to complete)	**studage(Traditional Age vs. Non-Traditional Age)**			
Frequency Percent Row Pct Col Pct	**.**	**Traditional-Age**	**Nontraditional-Age**	**Total**
.	655.353	4328.26 . . .	1164.95 . . .	. .
1. < 1 yr	73.4552 . . .	4211.57 7.34 85.39 9.03	720.334 1.26 14.61 6.72	4931.9 8.60
2. 1 - 2 yrs	308.068 . . .	25357.3 44.21 84.53 54.39	4639.22 8.09 15.47 43.25	29996.6 52.30
3. 3 - 4 yrs	174.767 . . .	10306.8 17.97 72.79 22.11	3852.79 6.72 27.21 35.92	14159.6 24.69
4. > 4 yrs	53.0261 . . .	2804.32 4.89 76.57 6.01	857.975 1.50 23.43 8.00	3662.29 6.39
5. don't know	66.253 . . .	3945.38 6.88 85.75 8.46	655.779 1.14 14.25 6.11	4601.16 8.02
Total	. .	46625.5 81.30	10726.1 18.70	57351.6 100.00
Frequency Missing = 6824.1248172				

$\chi^2 = 1048.7941$, $p < .0001$

PP10. Based on my academic goals at this college, I believe it will take me about this long to reach them (GOALWHEN) crossed with race/ethnicity (DIVERSIT)

goalwhen(PP10. Based on acad goals, I believe it will take how long to complete)	diversit(What is your racial/ethnic identification?)								
Frequency Percent Row Pct Col Pct	.	American Indian or Native American	Asian, Asian American, or Pacific Islander	Native Hawaiian	Black or African American, Non-Hispanic	White, Non-Hispanic	Hispanic, Latino, Spanish	Other	Total
.	814.669 . . .	108.348 . . .	160.766 . . .	11.8426 . . .	1102.18 . . .	2690.97 . . .	1012.11 . . .	247.661 . . .	. .
1. < 1 yr	143.414 . . .	97.4207 0.17 2.00 10.11	192.226 0.34 3.95 10.64	15.2294 0.03 0.31 15.53	1217.38 2.14 25.04 12.87	2197.81 3.87 45.20 7.34	920.785 1.62 18.94 7.52	221.082 0.39 4.55 9.74	4861.94 8.57
2. 1 - 2 yrs	595.438 . . .	473.14 0.83 1.59 49.12	929.26 1.64 3.13 51.45	50.0866 0.09 0.17 51.07	5177.21 9.12 17.43 54.75	15674.7 27.62 52.76 52.38	6256.31 11.02 21.06 51.11	1148.49 2.02 3.87 50.58	29709.2 52.34
3. 3 - 4 yrs	312.682 . . .	247.393 0.44 1.76 25.68	413.17 0.73 2.95 22.87	14.5079 0.03 0.10 14.79	2034.75 3.58 14.51 21.52	7567.38 13.33 53.97 25.29	3226.66 5.68 23.01 26.36	517.856 0.91 3.69 22.81	14021.7 24.70
4. > 4 yrs	101.6 . . .	72.8298 0.13 2.02 7.56	113.96 0.20 3.15 6.31	10.561 0.02 0.29 10.77	417.786 0.74 11.56 4.42	2028.96 3.57 56.15 6.78	821.285 1.45 22.73 6.71	148.334 0.26 4.10 6.53	3613.72 6.37
5. don't know	113.038 . . .	72.5376 0.13 1.59 7.53	157.632 0.28 3.46 8.73	7.69467 0.01 0.17 7.85	609.784 1.07 13.39 6.45	2456.86 4.33 53.95 8.21	1015.16 1.79 22.29 8.29	234.702 0.41 5.15 10.34	4554.37 8.02
Total	. .	963.322 1.70	1806.25 3.18	98.0796 0.17	9456.91 16.66	29925.7 52.72	12240.2 21.56	2270.47 4.00	56761 100.00

Table of goalwhen by diversit

Frequency Missing = 7414.7281552

$\chi^2 = 497.8546$, $p < .0001$

PP10. Based on my academic goals at this college, I believe it will take me about this long to reach them (GOALWHEN) crossed with developmental status (DEVELOPM)

Table of goalwhen by develop				
goalwhen(PP10. Based on acad goals, I believe it will take how long to complete)	**developm(Developmental Students vs. Non-Developmental Students)**			
Frequency **Percent** **Row Pct** **Col Pct**	**.**	**Developmental**	**Non-Developmental**	**Total**
.	122.382 . . .	4140.71 . . .	1885.46 . . .	. .
1. < 1 yr	86.9944 .	3150.61 5.50 64.06 8.68	1767.75 3.09 35.94 8.43	4918.36 8.59
2. 1 - 2 yrs	370.28 .	18168.6 31.73 60.69 50.07	11765.8 20.55 39.31 56.11	29934.4 52.28
3. 3 - 4 yrs	193.813 .	9621.65 16.80 68.04 26.51	4518.94 7.89 31.96 21.55	14140.6 24.70
4. > 4 yrs	45.029 .	2497.8 4.36 68.05 6.88	1172.49 2.05 31.95 5.59	3670.29 6.41
5. don't know	73.1802 .	2849.81 4.98 62.03 7.85	1744.42 3.05 37.97 8.32	4594.23 8.02
Total	. .	36288.5 63.38	20969.4 36.62	57257.8 100.00
Frequency Missing = 6917.8524901				

$$\chi^2 = 264.5800, \ p < .0001$$

PP10. Based on my academic goals at this college, I believe it will take me about this long to reach them (GOALWHEN) crossed with first generation status (FIRSTGEN)

Table of goalwhen by firstgen			
goalwhen(PP10. Based on acad goals, I believe it will take how long to complete)	firstgen(First Generation vs. Not First Generation)		
Frequency Percent Row Pct Col Pct	First- Generation	Not First- Generation	Total
.	3015.24 . . .	3133.32 . . .	. .
1. < 1 yr	1957.41 3.37 39.11 7.90	3047.95 5.25 60.89 9.16	5005.36 8.63
2. 1 - 2 yrs	12140.1 20.92 40.06 49.02	18164.5 31.30 59.94 54.61	30304.6 52.22
3. 3 - 4 yrs	6935.68 11.95 48.38 28.00	7398.73 12.75 51.62 22.25	14334.4 24.70
4. > 4 yrs	1701.27 2.93 45.79 6.87	2014.05 3.47 54.21 6.06	3715.32 6.40
5. don't know	2032.99 3.50 43.56 8.21	2634.42 4.54 56.44 7.92	4667.41 8.04
Total	24767.5 42.68	33259.7 57.32	58027.1 100.00
Frequency Missing = 6148.5557242			

$\chi^2 = 317.9965$, $p < .0001$

PP10. Based on my academic goals at this college, I believe it will take me about this long to reach them (GOALWHEN) crossed with overall high school grade (HSGRADE)

Table of goalwhen by hsgrade								
goalwhen(PP10. Based on acad goals, I believe it will take how long to complete)	**hsgrade(Q28. Overall HS GPA)**							
Frequency Percent Row Pct Col Pct	**.**	**A**	**A- to B+**	**B**	**B- to C+**	**C**	**C- or lower**	**Total**
.	693.863	264.084 . . .	1378.11 . . .	1235.7 . . .	1699.99 . . .	618.832 . . .	257.983 . . .	. .
1. < 1 yr	84.7945 . . .	342.68 0.60 6.96 10.67	1458.93 2.56 29.65 9.17	1151.62 2.02 23.40 8.59	1362.7 2.39 27.69 8.33	417.596 0.73 8.49 7.23	187.033 0.33 3.80 7.93	4920.56 8.63
2. 1 - 2 yrs	464.309 . . .	1814.46 3.18 6.08 56.52	8734.26 15.32 29.27 54.93	7185.98 12.61 24.08 53.63	8291.2 14.54 27.79 50.69	2851.71 5.00 9.56 49.34	962.715 1.69 3.23 40.81	29840.3 52.35
3. 3 - 4 yrs	264.894 . . .	620.39 1.09 4.41 19.32	3698.33 6.49 26.29 23.26	3274.34 5.74 23.27 24.44	4177.08 7.33 29.69 25.54	1597.51 2.80 11.35 27.64	701.86 1.23 4.99 29.75	14069.5 24.68
4. > 4 yrs	77.6724 . . .	194.674 0.34 5.35 6.06	913.958 1.60 25.12 5.75	762.768 1.34 20.97 5.69	1149.85 2.02 31.61 7.03	388.843 0.68 10.69 6.73	227.552 0.40 6.26 9.65	3637.65 6.38
5. don't know	128.695 . . .	238.357 0.42 5.25 7.42	1096.13 1.92 24.15 6.89	1025.07 1.80 22.58 7.65	1375.34 2.41 30.30 8.41	523.928 0.92 11.54 9.07	279.893 0.49 6.17 11.86	4538.72 7.96
Total	. .	3210.56 5.63	15901.6 27.89	13399.8 23.51	16356.2 28.69	5779.58 10.14	2359.05 4.14	57006.8 100.00
Frequency Missing = 7168.9211858								

$$\chi^2 = 406.9910, \; p < .0001$$

PP11. I feel that I am on track to reach my academic goals at this college within my expected time frame (GOALONTRK) crossed with enrollment status (ENRLMENT)

Table of goalontrk by enrlment			
goalontrk(PP11. I feel I am on track to reach my acad goal w/i expected time frame.)	enrlment(Thinking about THIS SEMESTER/QUARTER, how would you describe your enrollment at this college?)		
Frequency Percent Row Pct Col Pct	Less Than Full-Time	Full-Time	Total
.	1971 . . .	4347 . . .	. .
1. Stronly Agree	5531 9.00 22.40 32.72	19163 31.17 77.60 42.98	24694 40.16
2. Agree	6662 10.83 27.98 39.41	17147 27.89 72.02 38.46	23809 38.72
3. Not sure	4002 6.51 35.95 23.67	7131 11.60 64.05 15.99	11133 18.11
4. Disagree	495 0.81 39.13 2.93	770 1.25 60.87 1.73	1265 2.06
5. Strongly Disagree	215 0.35 36.63 1.27	372 0.60 63.37 0.83	587 0.95
Total	16905 27.49	44583 72.51	61488 100.00
Frequency Missing = 6318			

$\chi^2 = 834.0680$, $p < .0001$

PP11. I feel that I am on track to reach my academic goals at this college within my expected time frame (GOALONTRK) crossed with gender (SEX)

Table of goalontrk by sex				
goalontrk(PP11. I feel I am on track to reach my acad goal w/i expected time frame.)	sex(Your Sex)			
Frequency Percent Row Pct Col Pct	.	Male	Female	Total
.	745.016 . . .	2698.07 . . .	2721.69 . . .	. .
1. Strongly Agree	514.955 . . .	9132.12 16.17 43.16 37.64	12028.9 21.30 56.84 37.34	21161 37.47
2. Agree	554.132 . . .	9629.19 17.05 43.65 39.69	12429.8 22.01 56.35 38.58	22059 39.06
3. Not sure	386.647 . . .	4707.7 8.34 41.54 19.40	6625.72 11.73 58.46 20.57	11333.4 20.07
4. Disagree	52.913 . . .	539.342 0.95 40.56 2.22	790.343 1.40 59.44 2.45	1329.68 2.35
5. Strongly Disagree	24.2956 . . .	252.114 0.45 42.38 1.04	342.708 0.61 57.62 1.06	594.822 1.05
Total	. .	24260.5 42.96	32217.5 57.04	56478 100.00
Frequency Missing = 7697.7159224				

$\chi^2 = 17.1911$, $p = .0018$

PP11. I feel that I am on track to reach my academic goals at this college within my expected time frame (GOALONTRK) crossed with student age (STUDAGE, traditional age [< 25] vs. non-traditional age [25 and over])

Table of goalontrk by studage				
goalontrk(PP11. I feel I am on track to reach my acad goal w/i expected time frame.)	studage(Traditional Age vs. Non-Traditional Age)			
Frequency Percent Row Pct Col Pct	.	Traditional-Age	Nontraditional-Age	Total
.	652.813	4347.45 . . .	1164.51 . . .	. .
1. Strongly Agree	239.178 . . .	17465.5 30.46 81.47 37.47	3971.35 6.93 18.53 37.02	21436.8 37.39
2. Agree	241.465 . . .	18394 32.08 82.22 39.47	3977.64 6.94 17.78 37.08	22371.7 39.02
3. Not sure	160.17 . . .	9153.56 15.97 79.18 19.64	2406.33 4.20 20.82 22.43	11559.9 20.16
4. Disagree	27.026 . . .	1102.99 1.92 81.37 2.37	252.581 0.44 18.63 2.35	1355.57 2.36
5. Strongly Disagree	10.2712 . . .	490.217 0.86 80.52 1.05	118.629 0.21 19.48 1.11	608.846 1.06
Total	. .	46606.3 81.29	10726.5 18.71	57332.8 100.00
Frequency Missing = 6842.8824859				

$\chi^2 = 47.1961$, $p < .0001$

PP11. I feel that I am on track to reach my academic goals at this college within my expected time frame (GOALONTRK) crossed with race/ethnicity (DIVERSIT)

Table of goalontrk by diversit									
goalontrk (PP11. I feel I am on track to reach my acad goal w/i expected time frame.)		**Diversit (What is your racial/ethnic identification?)**							
Frequency Percent Row Pct Col Pct	.	American Indian or Native American	Asian, Asian American, or Pacific Islander	Native Hawaiian	Black or African American, Non-Hispanic	White, Non-Hispanic	Hispanic, Latino, Spanish	Other	Total
.	817.14	108.96	160.524	12.5185	1098.38	2693.54	1019.25	254.459	. .
1. Strongly Agree	443.749 . . .	342.344 0.60 1.61 35.56	543.059 0.96 2.56 30.06	38.6181 0.07 0.18 39.65	4127.05 7.27 19.44 43.62	11289 19.89 53.17 37.73	4079.85 7.19 19.22 33.35	812.344 1.43 3.83 35.89	21232.2 37.42
2. Agree	491.967 . . .	353.863 0.62 1.60 36.76	732.481 1.29 3.31 40.55	26.0852 0.05 0.12 26.78	3341.04 5.89 15.10 35.31	11881 20.94 53.71 39.71	4955.26 8.73 22.40 40.51	831.4 1.47 3.76 36.73	22121.2 38.98
3. Not sure	268.794 . . .	221.055 0.39 1.93 22.96	451.65 0.80 3.94 25.00	19.9164 0.04 0.17 20.45	1647.16 2.90 14.38 17.41	5840.56 10.29 51.00 19.52	2758.65 4.86 24.09 22.55	512.274 0.90 4.47 22.63	11451.3 20.18
4. Disagree	43.1801 . . .	31.8471 0.06 2.38 3.31	53.7875 0.09 4.02 2.98	9.74811 0.02 0.73 10.01	249.204 0.44 18.61 2.63	627.585 1.11 46.86 2.10	298.207 0.53 22.26 2.44	69.0395 0.12 5.15 3.05	1339.42 2.36
5. Strongly Disagree	16.0108 . . .	13.6002 0.02 2.26 1.41	25.5145 0.04 4.23 1.41	3.03579 0.01 0.50 3.12	96.2555 0.17 15.96 1.02	284.993 0.50 47.25 0.95	141.094 0.25 23.39 1.15	38.6128 0.07 6.40 1.71	603.107 1.06
Total	. .	962.709 1.70	1806.49 3.18	97.4037 0.17	9460.71 16.67	29923.2 52.73	12233.1 21.56	2263.67 3.99	56747.2 100.00
Frequency Missing = 7428.4740132									

$$\chi^2 = 409.2719, \ p < .0001$$

PP11. I feel that I am on track to reach my academic goals at this college within my expected time frame (GOALONTRK) crossed with developmental status (DEVELOPM)

Table of goalontrk by developm				
goalontrk(PP11. I feel I am on track to reach my acad goal w/i expected time frame.)	developm(Developmental Students vs. Non-Developmental Students)			
Frequency Percent Row Pct Col Pct	.	Developmental	Non-Developmental	Total
.	127.515 . . .	4145.04 . . .	1892.22 . . .	. .
1. Strongly Agree	279.803 . . .	13169.1 23.00 61.55 36.29	8227.13 14.37 38.45 39.25	21396.2 37.38
2. Agree	297.028 . . .	14080.1 24.60 63.09 38.81	8236.03 14.39 36.91 39.29	22316.1 38.98
3. Not sure	161.666 . . .	7636.94 13.34 66.07 21.05	3921.46 6.85 33.93 18.71	11558.4 20.19
4. Disagree	19.2733 . . .	970.703 1.70 71.20 2.68	392.622 0.69 28.80 1.87	1363.32 2.38
5. Strongly Disagree	6.39261 . . .	427.359 0.75 69.75 1.18	185.366 0.32 30.25 0.88	612.725 1.07
Total	. .	36284.1 63.38	20962.6 36.62	57246.7 100.00
Frequency Missing = 6928.9369271				

$$\chi^2 = 114.4503, \ p < .0001$$

PP11. I feel that I am on track to reach my academic goals at this college within my expected time frame (GOALONTRK) crossed with first generation status (FIRSTGEN)

Table of goalontrk by firstgen			
goalontrk(PP11. I feel I am on track to reach my acad goal w/i expected time frame.)	firstgen(First Generation vs. Not First Generation)		
Frequency Percent Row Pct Col Pct	First-Generation	Not First-Generation	Total
.	3007.2 . . .	3157.57 . . .	. .
1. Strongly Agree	8715.72 15.02 40.21 35.18	12960.3 22.34 59.79 39.00	21676 37.37
2. Agree	9721.75 16.76 42.99 39.24	12891.4 22.22 57.01 38.79	22613.1 38.98
3. Not sure	5388.92 9.29 45.98 21.75	6331.14 10.91 54.02 19.05	11720.1 20.20
4. Disagree	655.492 1.13 47.41 2.65	727.106 1.25 52.59 2.19	1382.6 2.38
5. Strongly Disagree	293.621 0.51 47.43 1.19	325.497 0.56 52.57 0.98	619.117 1.07
Total	24775.5 42.71	33235.4 57.29	58010.9 100.00
Frequency Missing = 6164.7729444			

$\chi^2 = 125.4764$, $p < .0001$

PP11. I feel that I am on track to reach my academic goals at this college within my expected time frame (GOALONTRK) crossed with overall high school grade (HSGRADE)

Table of goalontrk by hsgrade								
goalontrk(PP11. I feel I am on track to reach my acad goal w/i expected time frame.)	Hsgrade (Q28. Overall HS GPA)							
Frequency Percent Row Pct Col Pct	.	A	A- to B+	B	B- to C+	C	C- or lower	Total
.	701.533 . . .	273.87 . . .	1367.19 . . .	1244.31 . . .	1705.36 . . .	618.545 . . .	253.963 . . .	. .
1. Strongly Agree	321.105 . . .	1595.09 2.80 7.47 49.83	6564.97 11.52 30.74 41.26	5014.68 8.80 23.48 37.45	5584.84 9.80 26.15 34.16	1801.34 3.16 8.44 31.17	793.962 1.39 3.72 33.60	21354.9 37.47
2. Agree	388.748 . . .	1057.59 1.86 4.76 33.04	6216.51 10.91 27.97 39.07	5426.32 9.52 24.42 40.52	6478.98 11.37 29.15 39.62	2270.88 3.98 10.22 39.29	774.105 1.36 3.48 32.76	22224.4 38.99
3. Not sure	254.286 . . .	434.2 0.76 3.79 13.57	2688.54 4.72 23.45 16.90	2538.5 4.45 22.14 18.96	3706.96 6.50 32.33 22.67	1442.39 2.53 12.58 24.96	655.187 1.15 5.71 27.73	11465.8 20.12
4. Disagree	35.9395 . . .	76.569 0.13 5.69 2.39	299.614 0.53 22.25 1.88	304.822 0.53 22.64 2.28	409.603 0.72 30.42 2.51	173.613 0.30 12.89 3.00	82.4371 0.14 6.12 3.49	1346.66 2.36
5. Strongly Disagree	12.6177 . . .	37.3216 0.07 6.15 1.17	142.903 0.25 23.56 0.90	106.837 0.19 17.62 0.80	170.411 0.30 28.10 1.04	91.6453 0.16 15.11 1.59	57.3821 0.10 9.46 2.43	606.5 1.06
Total	. .	3200.77 5.62	15912.5 27.92	13391.2 23.49	16350.8 28.69	5779.87 10.14	2363.07 4.15	56998.2 100.00
Frequency Missing = 7177.468801								

$\chi^2 = 829.9475$, $p < .0001$

Q18u. I am prepared academically to succeed in college (ACPRPRD) crossed with enrollment status (ENRLMENT)

Table of acprprd by enrlment			
Acprprd (Q18u. I am prepared academically to succeed in college)	**Enrlment (Thinking about THIS SEMESTER/QUARTER, how would you describe your enrollment at this college?)**		
Frequency Percent Row Pct Col Pct	**Less Than Full-Time**	**Full-Time**	**Total**
.	266 . . .	665 . . .	. .
Strongly disagree	91 0.14 30.33 0.49	209 0.31 69.67 0.43	300 0.45
Disagree	282 0.42 32.53 1.52	585 0.87 67.47 1.21	867 1.30
Neutral	2541 3.80 33.15 13.65	5124 7.66 66.85 10.62	7665 11.46
Agree	7249 10.84 28.48 38.95	18208 27.23 71.52 37.73	25457 38.07
Strongly agree	8447 12.63 25.92 45.39	24139 36.10 74.08 50.01	32586 48.73
Total	18610 27.83	48265 72.17	66875 100.00
Frequency Missing = 931			

$\chi^2 = 182.8343$, $p < .0001$

Q18u. I am prepared academically to succeed in college (ACPRPRD) crossed with gender (SEX)

Table of acprprd by sex				
acprprd(Q18u. I am prepared academically to succeed in college)	sex(Your Sex)			
Frequency Percent Row Pct Col Pct	.	Male	Female	Total
.	131.159 . . .	408.501 . . .	370.509 . . .	. .
Strongly disagree	18.6338 . . .	135.842 0.22 49.25 0.51	139.977 0.23 50.75 0.40	275.819 0.45
Disagree	45.847 . . .	394.564 0.65 47.63 1.49	433.876 0.71 52.37 1.26	828.44 1.36
Neutral	373.113 . . .	3475.94 5.69 46.77 13.09	3956.01 6.47 53.23 11.44	7431.95 12.16
Agree	801.769 . . .	10673.3 17.46 45.27 40.20	12906.3 21.12 54.73 37.34	23579.6 38.58
Strongly agree	907.437 . . .	11870.4 19.42 40.93 44.71	17132.5 28.03 59.07 49.56	29002.9 47.45
Total	. .	26550 43.44	34568.7 56.56	61118.7 100.00
Frequency Missing = 3056.9678575				

$$\chi^2 = 149.6902, \ p < .0001$$

Q18u. I am prepared academically to succeed in college (ACPRPRD) crossed with student age (STUDAGE, traditional age [< 25] vs. non-traditional age [25 and over])

<table>
<tr><th colspan="5">Table of acprprd by studage</th></tr>
<tr><th>acprprd(Q18u. I am prepared academically to succeed in college)</th><th colspan="4">studage(Traditional Age vs. Non-Traditional Age)</th></tr>
<tr><th>Frequency
Percent
Row Pct
Col Pct</th><th>.</th><th>Traditional-Age</th><th>Nontraditional-Age</th><th>Total</th></tr>
<tr><td>.</td><td>113.573
.
.
.
.</td><td>617.501
.
.
.
.</td><td>179.094
.
.
.
.</td><td>.
.</td></tr>
<tr><td>Strongly disagree</td><td>7.07573
.
.
.</td><td>238.16
0.38
82.87
0.47</td><td>49.2173
0.08
17.13
0.42</td><td>287.377
0.46</td></tr>
<tr><td>Disagree</td><td>19.5697
.
.
.</td><td>690.799
1.11
80.82
1.37</td><td>163.918
0.26
19.18
1.40</td><td>854.717
1.38</td></tr>
<tr><td>Neutral</td><td>176.345
.
.
.</td><td>6224.78
10.03
81.60
12.37</td><td>1403.94
2.26
18.40
11.99</td><td>7628.72
12.29</td></tr>
<tr><td>Agree</td><td>503.181
.
.
.</td><td>19666.4
31.70
82.36
39.07</td><td>4211.79
6.79
17.64
35.96</td><td>23878.2
38.48</td></tr>
<tr><td>Strongly agree</td><td>511.178
.
.
.</td><td>23516
37.90
79.99
46.72</td><td>5883.09
9.48
20.01
50.23</td><td>29399.1
47.38</td></tr>
<tr><td>Total</td><td>.
.</td><td>50336.2
81.12</td><td>11712
18.88</td><td>62048.2
100.00</td></tr>
<tr><td colspan="5">Frequency Missing = 2127.5172754</td></tr>
</table>

$$\chi^2 = 50.3520, \ p < .0001$$

Q18u. I am prepared academically to succeed in college (ACPRPRD) crossed with race/ethnicity (DIVERSIT)

Table of acprprd by diversit									
Acprprd (Q18u. I am prepared academically to succeed in college)	**Diversit (What is your racial/ethnic identification?)**								
Frequency **Percent** **Row Pct** **Col Pct**	**.**	**American Indian or Native American**	**Asian, Asian American, or Pacific Islander**	**Native Hawaiian**	**Black or African American, Non-Hispanic**	**White, Non-Hispanic**	**Hispanic, Latino, Spanish**	**Other**	**Total**
.	121.205 . . .	18.5553 . . .	36.6538 . . .	0.60708 . . .	163.286 . . .	389.277 . . .	138.388 . . .	42.1969 . . .	. .
Strongly disagree	18.8392 . . .	12.0732 0.02 4.38 1.15	8.83096 0.01 3.20 0.46	1.16481 0.00 0.42 1.07	57.2558 0.09 20.77 0.55	126.613 0.21 45.94 0.39	51.9383 0.08 18.84 0.40	17.7382 0.03 6.44 0.72	275.614 0.45
Disagree	39.285 . . .	25.5074 0.04 3.05 2.42	18.8 0.03 2.25 0.97	4.25316 0.01 0.51 3.89	137.116 0.22 16.42 1.32	438.415 0.72 52.50 1.36	171.328 0.28 20.52 1.31	39.5825 0.06 4.74 1.60	835.001 1.36
Neutral	273.25 . . .	165.027 0.27 2.19 15.67	231.682 0.38 3.08 12.00	18.3549 0.03 0.24 16.79	1170.47 1.91 15.54 11.26	3801.47 6.20 50.47 11.80	1734.16 2.83 23.02 13.22	410.652 0.67 5.45 16.59	7531.81 12.29
Agree	774.415 . . .	415.322 0.68 1.76 39.44	748.798 1.22 3.17 38.79	45.912 0.07 0.19 42.00	3474.25 5.67 14.72 33.42	12927.7 21.09 54.76 40.11	5132.12 8.37 21.74 39.13	862.924 1.41 3.66 34.85	23607 38.51
Strongly agree	853.848 . . .	435.185 0.71 1.50 41.32	922.25 1.50 3.17 47.78	39.6302 0.06 0.14 36.25	5556.71 9.06 19.12 53.45	14933.3 24.36 51.39 46.34	6024.38 9.83 20.73 45.94	1145.04 1.87 3.94 46.25	29056.5 47.40
Total	. .	1053.11 1.72	1930.36 3.15	109.315 0.18	10395.8 16.96	32227.4 52.57	13113.9 21.39	2475.93 4.04	61305.9 100.00
Frequency Missing = 2869.8050867									

$\chi^2 = 320.5364$, $p < .0001$

Q18u. I am prepared academically to succeed in college (ACPRPRD) crossed with developmental status (DEVELOPM)

Table of acprprd by developm				
acprprd(Q18u. I am prepared academically to succeed in college)	developm(Developmental Students vs. Non-Developmental Students)			
Frequency Percent Row Pct Col Pct	.	Developmental	Non-Developmental	Total
.	508.136	298.259	103.774	. .
Strongly disagree	4.0821 . . .	199.214 0.32 68.61 0.50	91.1573 0.14 31.39 0.40	290.371 0.46
Disagree	3.27166 . . .	579.538 0.92 66.54 1.44	291.476 0.46 33.46 1.28	871.015 1.39
Neutral	51.9493 . . .	5314.07 8.45 68.54 13.24	2439.04 3.88 31.46 10.72	7753.11 12.33
Agree	167.877 . . .	15185.7 24.15 62.72 37.84	9027.79 14.36 37.28 39.68	24213.5 38.51
Strongly agree	156.363 . . .	18852.3 29.98 63.36 46.98	10901.6 17.34 36.64 47.92	29753.9 47.32
Total	. .	40130.9 63.82	22751.1 36.18	62882 100.00
Frequency Missing = 1293.7114933				

$\chi^2 = 96.0038$, $p < .0001$

Q18u. I am prepared academically to succeed in college (ACPRPRD) crossed with first generation status (FIRSTGEN)

Table of acprprd by firstgen			
acprprd(Q18u. I am prepared academically to succeed in college)	firstgen(First Generation vs. Not First Generation)		
Frequency Percent Row Pct Col Pct	First-Generation	Not First-Generation	Total
.	433.32 . . .	476.848 . . .	. .
Strongly disagree	131.29 0.21 44.59 0.48	163.163 0.26 55.41 0.45	294.453 0.47
Disagree	379.946 0.60 43.46 1.39	494.341 0.78 56.54 1.38	874.287 1.38
Neutral	3672.9 5.81 47.06 13.43	4132.17 6.53 52.94 11.51	7805.06 12.34
Agree	10454 16.52 42.88 38.22	13927.5 22.01 57.12 38.78	24381.4 38.54
Strongly agree	12711.3 20.09 42.50 46.48	17199 27.19 57.50 47.89	29910.3 47.28
Total	27349.4 43.23	35916.1 56.77	63265.5 100.00
Frequency Missing = 910.16829388			

$\chi^2 = 54.6085$, $p < .0001$

Q18u. I am prepared academically to succeed in college (ACPRPRD) crossed with overall high school grade (HSGRADE)

Table of acprprd by hsgrade								
Acprprd (Q18u. I am prepared academically to succeed in college)	**Hsgrade (Q28. Overall HS GPA)**							
Frequency Percent Row Pct Col Pct	**.**	**A**	**A- to B+**	**B**	**B- to C+**	**C**	**C- or lower**	**Total**
.	131.198 . . .	36.3379 . . .	174.768 . . .	204.533 . . .	221.251 . . .	105.78 . . .	36.2991 . . .	. .
Strongly disagree	12.1331 . . .	21.8507 0.04 7.74 0.64	59.5952 0.10 21.11 0.35	54.2209 0.09 19.21 0.38	76.5508 0.12 27.11 0.43	41.165 0.07 14.58 0.65	28.9374 0.05 10.25 1.12	282.32 0.46
Disagree	35.1395 . . .	21.4247 0.03 2.55 0.62	164.685 0.27 19.63 0.96	177.928 0.29 21.20 1.23	256.011 0.42 30.51 1.44	126.829 0.21 15.11 2.02	92.2688 0.15 11.00 3.58	839.147 1.36
Neutral	243.4 . . .	234.957 0.38 3.11 6.83	1487.74 2.41 19.67 8.70	1668.11 2.70 22.06 11.56	2508.25 4.07 33.17 14.06	1129.25 1.83 14.93 17.95	533.364 0.86 7.05 20.67	7561.66 12.26
Agree	632.911 . . .	1030.99 1.67 4.34 29.99	6379.64 10.34 26.86 37.30	5833.94 9.46 24.57 40.43	7140.96 11.58 30.07 40.04	2484.8 4.03 10.46 39.49	878.156 1.42 3.70 34.03	23748.5 38.50
Strongly agree	659.447 . . .	2129.08 3.45 7.28 61.92	9013.3 14.61 30.81 52.69	6696.73 10.86 22.89 46.41	7853.14 12.73 26.85 44.03	2510.59 4.07 8.58 39.90	1048.01 1.70 3.58 40.61	29250.9 47.42
Total	. .	3438.3 5.57	17105 27.73	14430.9 23.40	17834.9 28.91	6292.63 10.20	2580.74 4.18	61682.5 100.00
Frequency Missing = 2493.1986099								

$\chi^2 = 1326.3994$, $p < .0001$

PP8. I used resources from this college or one of the college's brush-up/refresher experiences and I found it… [helpful/not helpful] (PLPREPHLPD_R, dichotomous recode) crossed with enrollment status (ENRLMENT)

Table of plprephlpd_r by enrlment			
plprephlpd_r (PP8. (R) Used college's resources and found them (helpful/not))	Enrlment (Thinking about THIS SEMESTER/QUARTER, how would you describe your enrollment at this college?)		
Frequency Percent Row Pct Col Pct	Less Than Full-Time	Full-Time	Total
.	1286 . . .	3316 . . .	. .
0. Not helpful	198 1.13 32.20 4.05	417 2.38 67.80 3.29	615 3.50
1. Helpful	4686 26.69 27.66 95.95	12253 69.80 72.34 96.71	16939 96.50
Total	4884 27.82	12670 72.18	17554 100.00
Frequency Missing = 4602			

$\chi^2 = 6.0674$, $p = .0138$

Analysis subgroup: *SENSE* 2014 three-year cohort respondents who responded to the Promising Practices item set who took a placement test (TOOKPLTST = 1) and who reported they prepared for the placement test in some way (PLTSTPREP_R = 1)

PP8. I used resources from this college or one of the college's brush-up/refresher experiences and I found it… [helpful/not helpful] (PLPREPHLPD_R, dichotomous recode) crossed with gender (SEX)

Table of plprephlpd_r by sex				
plprephlpd_r(PP8. (R) Used college's resources and found them (helpful/not))	**sex(Your Sex)**			
Frequency Percent Row Pct Col Pct	**.**	**Male**	**Female**	**Total**
.	95.7968	1544.29 . . .	2701.63 . . .	. .
0. Not helpful	34.2244 . . .	244.12 1.51 42.16 3.49	334.914 2.08 57.84 3.67	579.034 3.59
1. Helpful	479.235 . . .	6746.16 41.85 43.41 96.51	8795.44 54.56 56.59 96.33	15541.6 96.41
Total	. .	6990.28 43.36	9130.36 56.64	16120.6 100.00
Frequency Missing = 4855.1827047				

$\chi^2 = .3536$, $p = .5521$

Analysis subgroup: *SENSE* 2014 three-year cohort respondents who responded to the Promising Practices item set who took a placement test (TOOKPLTST = 1) and who reported they prepared for the placement test in some way (PLTSTPREP_R = 1)

PP8. I used resources from this college or one of the college's brush-up/refresher experiences and I found it… [helpful/not helpful] (PLPREPHLPD_R, dichotomous recode) crossed with student age (STUDAGE, traditional age [< 25] vs. non-traditional age [25 and over])

Table of plprephlpd_r by studage				
plprephlpd_r(PP 8. (R) Used college's resources and found them (helpful/not))	studage(Traditional Age vs. Non-Traditional Age)			
Frequency Percent Row Pct Col Pct	.	Traditional-Age	Nontraditional -Age	Total
.	41.0257	3223.16 . . .	1077.54 . . .	. .
0. Not helpful	11.3984 . . .	509.001 3.10 84.57 3.68	92.8589 0.57 15.43 3.61	601.86 3.67
1. Helpful	219.544 . . .	13319.2 81.20 84.29 96.32	2482.06 15.13 15.71 96.39	15801.3 96.33
Total	. .	13828.2 84.30	2574.92 15.70	16403.1 100.00
Frequency Missing = 4572.6659833				

χ^2 = .0342, *p* = .8533

Analysis subgroup: *SENSE* 2014 three-year cohort respondents who responded to the Promising Practices item set who took a placement test (TOOKPLTST = 1) and who reported they prepared for the placement test in some way (PLTSTPREP_R = 1)

PP8. I used resources from this college or one of the college's brush-up/refresher experiences and I found it… [helpful/not helpful] (PLPREPHLPD_R, dichotomous recode) crossed with race/ethnicity (DIVERSIT)

Table of plprephlpd_r by diversit									
plprephlpd_r (PP8. (R) Used college's resources and found them (helpful/not))		Diversit (What is your racial/ethnic identification?)							
Frequency Percent Row Pct Col Pct	.	American Indian or Native American	Asian, Asian American, or Pacific Islander	Native Hawaiian	Black or African American, Non-Hispanic	White, Non-Hispanic	Hispanic, Latino, Spanish	Other	Total
.	74.6393	64.3137 . . .	119.797 . . .	5.54555 . . .	565.42 . . .	2594.99 . . .	732.46 . . .	184.554 . . .	. .
0. Not helpful	25.6145 . . .	19.8178 0.12 3.37 6.94	26.4531 0.16 4.50 3.94	1.2218 0.01 0.21 3.78	112.654 0.69 19.17 3.63	285.048 1.76 48.51 3.75	112.77 0.69 19.19 2.89	29.679 0.18 5.05 4.65	587.644 3.62
1. Helpful	379.529 . . .	265.831 1.64 1.70 93.06	645.196 3.98 4.12 96.06	31.1071 0.19 0.20 96.22	2988.45 18.41 19.11 96.37	7316.22 45.08 46.78 96.25	3786.45 23.33 24.21 97.11	608.049 3.75 3.89 95.35	15641.3 96.38
Total	. .	285.649 1.76	671.649 4.14	32.3289 0.20	3101.1 19.11	7601.27 46.84	3899.22 24.03	637.728 3.93	16228.9 100.00
Frequency Missing = 4746.867249									

χ^2 = 17.4499, p = 0.0078

Analysis subgroup: *SENSE* 2014 three-year cohort respondents who responded to the Promising Practices item set who took a placement test (TOOKPLTST = 1) and who reported they prepared for the placement test in some way (PLTSTPREP_R = 1)

PP8. I used resources from this college or one of the college's brush-up/refresher experiences and I found it… [helpful/not helpful] (PLPREPHLPD_R, dichotomous recode) crossed with developmental status (DEVELOPM)

Table of plprephlpd_r by developm				
plprephlpd_r (PP8. (R) Used college's resources and found them (helpful/not))	Developm (Developmental Students vs. Non-Developmental Students)			
Frequency Percent Row Pct Col Pct	.	Developmental	Non-Developmental	Total
.	62.002 . . .	2567.77 . . .	1711.95 . . .	. .
0. Not helpful	14.063 . . .	421.253 2.57 70.30 3.53	177.942 1.08 29.70 3.95	599.195 3.65
1. Helpful	199.343 . . .	11498.9 70.03 72.68 96.47	4322.63 26.32 27.32 96.05	15821.5 96.35
Total	. .	11920.1 72.59	4500.57 27.41	16420.7 100.00
Frequency Missing = 4555.1296154				

$\chi^2 = 1.6375$, $p = .2007$

Analysis subgroup: *SENSE* 2014 three-year cohort respondents who responded to the Promising Practices item set who took a placement test (TOOKPLTST = 1) and who reported they prepared for the placement test in some way (PLTSTPREP_R = 1)

PP8. I used resources from this college or one of the college's brush-up/refresher experiences and I found it… [helpful/not helpful] (PLPREPHLPD_R, dichotomous recode) crossed with first generation status (FIRSTGEN)

Table of plprephlpd_r by firstgen			
plprephlpd_r (PP8. (R) Used college's resources and found them (helpful/not))	Firstgen (First Generation vs. Not First Generation)		
Frequency Percent Row Pct Col Pct	First-Generation	Not First-Generation	Total
.	1789.66 . . .	2552.06 . . .	. .
0. Not helpful	263.745 1.59 43.01 3.55	349.513 2.10 56.99 3.80	613.258 3.69
1. Helpful	7174.88 43.13 44.78 96.45	8845.95 53.18 55.22 96.20	16020.8 96.31
Total	7438.62 44.72	9195.47 55.28	16634.1 100.00
Frequency Missing = 4341.7233774			

χ^2 = .7549, p = .3849

Analysis subgroup: *SENSE* 2014 three-year cohort respondents who responded to the Promising Practices item set who took a placement test (TOOKPLTST = 1) and who reported they prepared for the placement test in some way (PLTSTPREP_R = 1)

Q18e. An advisor helped me to select a course of study, program, or major (AASELMAJ) crossed with enrollment status (ENRLMENT)

Table of aaselmaj by enrlment			
Aaselmaj (Q18e. An advisor helped me to select a course of study...)	Enrlment (Thinking about THIS SEMESTER/QUARTER, how would you describe your enrollment at this college?)		
Frequency Percent Row Pct Col Pct	Less Than Full-Time	Full-Time	Total
.	278	710	. .
Strongly disagree	1012 1.51 29.69 5.44	2396 3.59 70.31 4.97	3408 5.10
Disagree	2434 3.64 29.37 13.09	5852 8.76 70.63 12.14	8286 12.40
Neutral	3673 5.50 30.50 19.75	8371 12.53 69.50 17.36	12044 18.03
Agree	6562 9.82 28.10 35.28	16790 25.13 71.90 34.82	23352 34.95
Strongly agree	4917 7.36 24.92 26.44	14811 22.17 75.08 30.72	19728 29.52
Total	18598 27.83	48220 72.17	66818 100.00
Frequency Missing = 988			

χ^2 = 142.1708, p < .0001

Q18e. An advisor helped me to select a course of study, program, or major (AASELMAJ) crossed with gender (SEX)

Table of aaselmaj by sex				
Aaselmaj (Q18e. An advisor helped me to select a course of study...)	**Sex (Your Sex)**			
Frequency **Percent** **Row Pct** **Col Pct**	**.**	**Male**	**Female**	**Total**
.	127.42 . . .	425.17 . . .	410.436 . . .	. .
Strongly disagree	131.357 . . .	1203 1.97 38.23 4.53	1944.12 3.18 61.77 5.63	3147.12 5.15
Disagree	237.621 . . .	2741.99 4.49 35.63 10.33	4954.2 8.11 64.37 14.35	7696.19 12.60
Neutral	426.628 . . .	5486.06 8.98 48.36 20.68	5858.8 9.59 51.64 16.97	11344.9 18.58
Agree	741.493 . . .	9908.97 16.23 46.03 37.35	11618.3 19.03 53.97 33.65	21527.3 35.25
Strongly agree	613.439 . . .	7193.35 11.78 41.47 27.11	10153.3 16.63 58.53 29.41	17346.7 28.41
Total	. .	26533.4 43.45	34528.7 56.55	61062.1 100.00
Frequency Missing = 3113.5648893				

$\chi^2 = 423.8295$, $p < .0001$

Q18e. An advisor helped me to select a course of study, program, or major (AASELMAJ) crossed with student age (STUDAGE, traditional age [< 25] vs. non-traditional age [25 and over])

Table of aaselmaj by studage				
Aaselmaj (Q18e. An advisor helped me to select a course of study...)	**Studage (Traditional Age vs. Non-Traditional Age)**			
Frequency Percent Row Pct Col Pct	**.**	**Traditional-Age**	**Nontraditional-Age**	**Total**
.	111.338 . . .	653.855 . . .	197.832 . . .	. .
Strongly disagree	68.8602 . . .	2558.13 4.13 79.70 5.09	651.488 1.05 20.30 5.57	3209.62 5.18
Disagree	147.915 . . .	6400.9 10.33 82.21 12.73	1385 2.23 17.79 11.84	7785.9 12.56
Neutral	240.247 . . .	9471.98 15.28 82.14 18.83	2059.26 3.32 17.86 17.61	11531.2 18.60
Agree	416.417 . . .	17955.4 28.96 82.17 35.70	3896.92 6.29 17.83 33.33	21852.3 35.25
Strongly agree	346.144 . . .	13913.4 22.44 78.99 27.66	3700.55 5.97 21.01 31.65	17614 28.41
Total	. .	50299.9 81.14	11693.2 18.86	61993.1 100.00
Frequency Missing = 2182.6094656				

$\chi^2 = 85.9626$, $p < .0001$

Q18e. An advisor helped me to select a course of study, program, or major (AASELMAJ) crossed with race/ethnicity (DIVERSIT)

Table of aaselmaj by diversit									
Aaselmaj (Q18e. An advisor helped me to select a course of study...)		**Diversit (What is your racial/ethnic identification?)**							
Frequency Percent Row Pct Col Pct	**.**	**American Indian or Native American**	**Asian, Asian American, or Pacific Islander**	**Native Hawaiian**	**Black or African American, Non-Hispanic**	**White, Non-Hispanic**	**Hispanic, Latino, Spanish**	**Other**	**Total**
.	119.274 . . .	19.1718 . . .	34.0961 . . .	0.60708 . . .	179.336 . . .	433.596 . . .	137.328 . . .	39.6167 . . .	. .
Strongly disagree	126.984 . . .	44.7659 0.07 1.42 4.25	89.2853 0.15 2.83 4.62	7.15802 0.01 0.23 6.55	545.413 0.89 17.31 5.25	1600.65 2.61 50.79 4.97	707.835 1.16 22.46 5.40	156.381 0.26 4.96 6.31	3151.49 5.15
Disagree	245.95 . . .	140.764 0.23 1.83 13.37	229.578 0.37 2.99 11.88	14.3828 0.02 0.19 13.16	1420.49 2.32 18.48 13.69	3805.14 6.21 49.50 11.82	1746.85 2.85 22.72 13.32	330.667 0.54 4.30 13.34	7687.86 12.55
Neutral	376.163 . . .	214.307 0.35 1.88 20.36	429.048 0.70 3.77 22.20	29.4389 0.05 0.26 26.93	1450.24 2.37 12.73 13.97	6425.63 10.49 56.39 19.97	2339.5 3.82 20.53 17.84	507.165 0.83 4.45 20.46	11395.3 18.60
Agree	701.519 . . .	351.488 0.57 1.63 33.40	674.421 1.10 3.13 34.89	33.1498 0.05 0.15 30.32	3645.65 5.95 16.90 35.12	11365.6 18.56 52.70 35.32	4642.4 7.58 21.53 35.40	854.475 1.40 3.96 34.48	21567.2 35.21
Strongly agree	510.952 . . .	301.172 0.49 1.73 28.61	510.586 0.83 2.93 26.42	25.1856 0.04 0.14 23.04	3317.97 5.42 19.02 31.97	8986.03 14.67 51.50 27.92	3678.4 6.01 21.08 28.05	629.826 1.03 3.61 25.41	17449.2 28.49
Total	. .	1052.5 1.72	1932.92 3.16	109.315 0.18	10379.8 16.95	32183.1 52.54	13115 21.41	2478.51 4.05	61251.1 100.00
Frequency Missing = 2924.5930091									

$\chi^2 = 289.2962$, $p < .0001$

Q18e. An advisor helped me to select a course of study, program, or major (AASELMAJ) crossed with developmental status (DEVELOPM)

Table of aaselmaj by developm				
aaselmaj(Q18e. An advisor helped me to select a course of study...)	developm(Developmental Students vs. Non-Developmental Students)			
Frequency Percent Row Pct Col Pct	.	Developmental	Non-Developmental	Total
.	501.688 . . .	320.019 . . .	141.318 . . .	. .
Strongly disagree	14.0628 . . .	1916.67 3.05 58.71 4.78	1347.74 2.15 41.29 5.93	3264.41 5.20
Disagree	37.8625 . . .	4820.1 7.67 61.05 12.02	3075.85 4.90 38.95 13.54	7895.95 12.57
Neutral	81.3005 . . .	7038.28 11.20 60.21 17.55	4651.91 7.40 39.79 20.48	11690.2 18.61
Agree	158.78 . . .	14244.5 22.67 64.43 35.51	7865.43 12.52 35.57 34.63	22110 35.19
Strongly agree	97.9856 . . .	12089.5 19.24 67.68 30.14	5772.59 9.19 32.32 25.41	17862.1 28.43
Total	. .	40109.2 63.85	22713.5 36.15	62822.7 100.00
Frequency Missing = 1353.0166885				

$\chi^2 = 248.2686$, $p < .0001$

Q18e. An advisor helped me to select a course of study, program, or major (AASELMAJ) crossed with first generation status (FIRSTGEN)

Table of aaselmaj by firstgen			
aaselmaj(Q18e. An advisor helped me to select a course of study...)	**firstgen(First Generation vs. Not First Generation)**		
Frequency Percent Row Pct Col Pct	**First-Generation**	**Not First-Generation**	**Total**
.	455.308 . . .	507.718 . . .	. .
Strongly disagree	1415.85 2.24 43.19 5.18	1862.62 2.95 56.81 5.19	3278.48 5.19
Disagree	3401.91 5.38 42.88 12.45	4531.9 7.17 57.12 12.63	7933.81 12.55
Neutral	4866.19 7.70 41.34 17.81	6905.29 10.92 58.66 19.24	11771.5 18.62
Agree	9610.03 15.20 43.15 35.17	12658.7 20.03 56.85 35.28	22268.8 35.23
Strongly agree	8033.4 12.71 44.73 29.40	9926.72 15.70 55.27 27.66	17960.1 28.41
Total	27327.4 43.23	35885.3 56.77	63212.7 100.00
Frequency Missing = 963.02562122			

$$\chi^2 = 34.0541, \; p < .0001$$

Q18f. An advisor helped me to set academic goals and to create a plan for achieving them (ACADGOAL) crossed with enrollment status (ENRLMENT)

Table of acadgoal by enrlment			
Acadgoal (Q18f. An advisor helped me to set acad goals & create plan...)	**Enrlment (Thinking about THIS SEMESTER/QUARTER, how would you describe your enrollment at this college?)**		
Frequency Percent Row Pct Col Pct	**Less Than Full-Time**	**Full-Time**	**Total**
.	332 . . .	774 . . .	. .
Strongly disagree	1359 2.04 29.50 7.33	3248 4.87 70.50 6.74	4607 6.91
Disagree	3826 5.74 28.50 20.63	9599 14.39 71.50 19.93	13425 20.13
Neutral	5430 8.14 28.46 29.28	13647 20.46 71.54 28.34	19077 28.60
Agree	4834 7.25 27.85 26.07	12523 18.78 72.15 26.01	17357 26.02
Strongly agree	3095 4.64 25.30 16.69	9139 13.70 74.70 18.98	12234 18.34
Total	18544 27.80	48156 72.20	66700 100.00
Frequency Missing = 1106			

$\chi^2 = 52.2410$, $p < .0001$

Q18f. An advisor helped me to set academic goals and to create a plan for achieving them (ACADGOAL) crossed with gender (SEX)

Table of acadgoal by sex				
Acadgoal (Q18f. An advisor helped me to set acad goals & create plan...)	**Sex (Your Sex)**			
Frequency Percent Row Pct Col Pct	**.**	**Male**	**Female**	**Total**
.	134.328	489.25	473.844	. . . . .
Strongly disagree	170.11 . . .	1642.44 2.70 38.77 6.21	2593.56 4.26 61.23 7.53	4235.99 6.95
Disagree	458.164 . . .	4434.42 7.28 35.95 16.75	7901.53 12.97 64.05 22.93	12336 20.24
Neutral	530.092 . . .	8578.17 14.08 48.47 32.41	9119.32 14.97 51.53 26.46	17697.5 29.04
Agree	619.283 . . .	7423.22 12.18 46.67 28.04	8481.56 13.92 53.33 24.61	15904.8 26.10
Strongly agree	365.982 . . .	4391.04 7.21 40.81 16.59	6369.38 10.45 59.19 18.48	10760.4 17.66
Total	. .	26469.3 43.44	34465.3 56.56	60934.6 100.00
Frequency Missing = 3241.0520092				

$$\chi^2 = 599.7652, \ p < .0001$$

Q18f. An advisor helped me to set academic goals and to create a plan for achieving them (ACADGOAL) crossed with student age (STUDAGE, traditional age [< 25] vs. non-traditional age [25 and over])

Table of acadgoal by studage				
Acadgoal (Q18f. An advisor helped me to set acad goals & create plan...)	**Studage (Traditional Age vs. Non-Traditional Age)**			
Frequency **Percent** **Row Pct** **Col Pct**	**.**	**Traditional-Age**	**Nontraditional-Age**	**Total**
.	112.758	759.045 . . .	225.618 . . .	. .
Strongly disagree	82.3626 . . .	3482.04 5.63 80.53 6.94	841.696 1.36 19.47 7.22	4323.74 6.99
Disagree	281.279 . . .	10321.9 16.69 82.49 20.56	2190.98 3.54 17.51 18.78	12512.8 20.23
Neutral	298.588 . . .	14831.5 23.98 82.72 29.55	3097.51 5.01 17.28 26.55	17929 28.98
Agree	359.01 . . .	13111.1 21.19 81.11 26.12	3053.97 4.94 18.89 26.18	16165 26.13
Strongly agree	196.926 . . .	8448.2 13.66 77.30 16.83	2481.27 4.01 22.70 21.27	10929.5 17.67
Total	. .	50194.7 81.14	11665.4 18.86	61860.1 100.00
Frequency Missing = 2315.5861205				

$\chi^2 = 150.8012$, $p < .0001$

Q18f. An advisor helped me to set academic goals and to create a plan for achieving them (ACADGOAL) crossed with race/ethnicity (DIVERSIT)

Table of acadgoal by diversit									
Acadgoal (Q18f. An advisor helped me to set acad goals & create plan...)		**Diversit (What is your racial/ethnic identification?)**							
Frequency Percent Row Pct Col Pct	**.**	**American Indian or Native American**	**Asian, Asian American, or Pacific Islander**	**Native Hawaiian**	**Black or African American, Non-Hispanic**	**White, Non-Hispanic**	**Hispanic, Latino, Spanish**	**Other**	**Total**
.	128.235 . . .	23.9669 . . .	37.637 . . .	0.60708 . . .	228.669 . . .	462.175 . . .	169.944 . . .	46.1865 . . .	. .
Strongly disagree	157.395 . . .	68.604 0.11 1.61 6.55	128.588 0.21 3.03 6.66	11.284 0.02 0.27 10.32	696.121 1.14 16.38 6.74	2156.2 3.53 50.75 6.71	959.796 1.57 22.59 7.34	228.111 0.37 5.37 9.23	4248.71 6.95
Disagree	448.668 . . .	203.269 0.33 1.65 19.40	351.469 0.57 2.85 18.22	15.1906 0.02 0.12 13.90	2402.83 3.93 19.46 23.26	6066.49 9.92 49.14 18.87	2794.87 4.57 22.64 21.36	511.331 0.84 4.14 20.69	12345.4 20.20
Neutral	500.107 . . .	330.901 0.54 1.87 31.58	607.638 0.99 3.43 31.49	27.7239 0.05 0.16 25.36	2409.23 3.94 13.59 23.32	9978.16 16.32 56.29 31.03	3620.34 5.92 20.42 27.67	753.484 1.23 4.25 30.48	17727.5 29.00
Agree	543.624 . . .	250.784 0.41 1.57 23.94	521.455 0.85 3.26 27.03	35.1203 0.06 0.22 32.13	2698.63 4.41 16.89 26.12	8547.32 13.98 53.49 26.58	3341.63 5.47 20.91 25.54	585.497 0.96 3.66 23.69	15980.4 26.14
Strongly agree	302.811 . . .	194.145 0.32 1.79 18.53	320.228 0.52 2.96 16.60	19.9963 0.03 0.18 18.29	2123.61 3.47 19.62 20.56	5406.36 8.84 49.95 16.81	2365.73 3.87 21.86 18.08	393.52 0.64 3.64 15.92	10823.6 17.71
Total	. .	1047.7 1.71	1929.38 3.16	109.315 0.18	10330.4 16.90	32154.5 52.60	13082.4 21.40	2471.94 4.04	61125.7 100.00
Frequency Missing = 3050.0280487									

$\chi^2 = 378.9709$, $p < .0001$

Q18f. An advisor helped me to set academic goals and to create a plan for achieving them (ACADGOAL) crossed with developmental status (DEVELOPM)

Table of acadgoal by developm				
Acadgoal (Q18f. An advisor helped me to set acad goals & create plan...)	Developm (Developmental Students vs. Non-Developmental Students)			
Frequency Percent Row Pct Col Pct	.	Developmental	Non-Developmental	Total
.	509.703 . . .	407.221 . . .	180.498 . . .	. .
Strongly disagree	19.3409 . . .	2684.23 4.28 61.19 6.71	1702.53 2.72 38.81 7.51	4386.76 7.00
Disagree	66.981 . . .	7856.27 12.53 61.73 19.63	4870.87 7.77 38.27 21.48	12727.1 20.30
Neutral	124.5 . . .	10972.9 17.50 60.61 27.42	7130.13 11.37 39.39 31.45	18103.1 28.87
Agree	111.139 . . .	10804.3 17.23 65.83 27.00	5608.65 8.95 34.17 24.74	16412.9 26.18
Strongly agree	60.0152 . . .	7704.24 12.29 69.62 19.25	3362.15 5.36 30.38 14.83	11066.4 17.65
Total	. .	40021.9 63.83	22674.3 36.17	62696.3 100.00
Frequency Missing = 1479.3979912				

$\chi^2 = 307.7015$, $p < .0001$

Q18f. An advisor helped me to set academic goals and to create a plan for achieving them (ACADGOAL) crossed with first generation status (FIRSTGEN)

Table of acadgoal by firstgen			
Acadgoal (Q18f. An advisor helped me to set acad goals & create plan...)	**Firstgen (First Generation vs. Not First Generation)**		
Frequency Percent Row Pct Col Pct	**First-Generation**	**Not First-Generation**	**Total**
.	499.011 . . .	598.411 . . .	. .
Strongly disagree	1852.75 2.94 42.05 6.79	2553.35 4.05 57.95 7.13	4406.1 6.99
Disagree	5581.36 8.85 43.62 20.46	7212.76 11.43 56.38 20.15	12794.1 20.28
Neutral	7623.95 12.09 41.83 27.94	10603.6 16.81 58.17 29.62	18227.6 28.90
Agree	7212.67 11.43 43.65 26.44	9311.38 14.76 56.35 26.01	16524.1 26.20
Strongly agree	5012.96 7.95 45.05 18.37	6113.44 9.69 54.95 17.08	11126.4 17.64
Total	27283.7 43.25	35794.6 56.75	63078.3 100.00
Frequency Missing = 1097.4215525			

$\chi^2 = 34.2036$, $p < .0001$

Number of academic areas placement test indicated a need for developmental education (DEVAREAS_CNT_R, dichotomous created variable) crossed with enrollment status (ENRLMENT) (Not weighted)

Table of devareas_cnt_r by enrlment			
devareas_cnt_r (Num academic areas pl. test indicated developmental needs)	**enrlment(Thinking about THIS SEMESTER/QUARTER, how would you describe your enrollment at this college?)**		
Frequency Percent Row Pct Col Pct	**Less Than Full-Time**	**Full-Time**	**Total**
.	269 . . .	619 . . .	. .
0. Need no dev ed	4676 7.93 22.34 28.92	16251 27.55 77.66 37.95	20927 35.48
1. Needed dev ed in 1+ acad areas	11491 19.48 30.19 71.08	26569 45.04 69.81 62.05	38060 64.52
Total	16167 27.41	42820 72.59	58987 100.00
Frequency Missing = 888			

$\chi^2 = 417.9405$, $p < .0001$

Analysis subgroup: *SENSE* 2014 three-year cohort respondents who responded to the Promising Practices item set who took a placement test (TOOKPLTST = 1)

Number of academic areas placement test indicated a need for developmental education (DEVAREAS_CNT_R, dichotomous created variable) crossed with gender (SEX)

Table of devareas_cnt_r by sex				
devareas_cnt_r (Num academic areas pl. test indicated developmental needs)	**sex(Your Sex)**			
Frequency **Percent** **Row Pct** **Col Pct**	**.**	**Male**	**Female**	**Total**
.	79.9372 . . .	365.65 . . .	426.294 . . .	. .
0. Need no dev ed	520.392 . . .	8734.09 16.26 48.51 37.65	9272.4 17.26 51.49 30.38	18006.5 33.52
1. Needed dev ed in 1+ acad areas	1269.87 . . .	14466.3 26.93 40.51 62.35	21247.1 39.55 59.49 69.62	35713.4 66.48
Total	. .	23200.4 43.19	30519.5 56.81	53719.9 100.00
Frequency Missing = 2662.1400882				

$$\chi^2 = 312.1400, \ p < .0001$$

Analysis subgroup: *SENSE* 2014 three-year cohort respondents who responded to the Promising Practices item set who took a placement test (TOOKPLTST = 1)

Number of academic areas placement test indicated a need for developmental education (DEVAREAS_CNT_R, dichotomous created variable) crossed with student age (STUDAGE, traditional age [< 25] vs. non-traditional age [25 and over])

Table of devareas_cnt_r by studage				
devareas_cnt_r (Num academic areas pl. test indicated developmental needs)	studage(Traditional Age vs. Non-Traditional Age)			
Frequency Percent Row Pct Col Pct	.	Traditional-Age	Nontraditional-Age	Total
.	54.9909 . . .	677.229 . . .	139.661 . . .	. .
0. Need no dev ed	294.137 . . .	16060.9 29.46 88.09 36.08	2171.82 3.98 11.91 21.74	18232.7 33.45
1. Needed dev ed in 1+ acad areas	706.68 . . .	28459.1 52.21 78.45 63.92	7817.48 14.34 21.55 78.26	36276.6 66.55
Total	. .	44520.1 81.67	9989.3 18.33	54509.4 100.00
Frequency Missing = 1872.6978398				

$\chi^2 = 753.0645$, $p < .0001$

Analysis subgroup: *SENSE* 2014 three-year cohort respondents who responded to the Promising Practices item set who took a placement test (TOOKPLTST = 1)

Number of academic areas placement test indicated a need for developmental education (DEVAREAS_CNT_R, dichotomous created variable) crossed with race/ethnicity (DIVERST)

Table of devareas_cnt_r by diversit									
devareas_cnt_r (Num academic areas pl. test indicated developmental needs)		**Diversit (What is your racial/ethnic identification?)**							
Frequency Percent Row Pct Col Pct	**.**	**American Indian or Native American**	**Asian, Asian American, or Pacific Islander**	**Native Hawaiian**	**Black or African American, Non-Hispanic**	**White, Non-Hispanic**	**Hispanic, Latino, Spanish**	**Other**	**Total**
.	80.2998 . . .	13.2749 . . .	29.9749 . . .	6.81386 . . .	133.175 . . .	376.773 . . .	189.135 . . .	42.4343 . . .	. . . .
0. Need no dev ed	478.2 . . .	307.64 0.57 1.70 33.25	648.261 1.20 3.59 37.80	34.2889 0.06 0.19 38.54	1849.12 3.43 10.25 20.58	11239.3 20.84 62.27 39.26	3244.13 6.02 17.97 28.37	725.966 1.35 4.02 33.68	18048.7 33.47
1. Needed dev ed in 1+ acad areas	1099.02 . . .	617.476 1.14 1.72 66.75	1066.75 1.98 2.97 62.20	54.6835 0.10 0.15 61.46	7136.32 13.23 19.89 79.42	17388 32.24 48.46 60.74	8191.76 15.19 22.83 71.63	1429.3 2.65 3.98 66.32	35884.3 66.53
Total	. .	925.116 1.72	1715.01 3.18	88.9724 0.16	8985.44 16.66	28627.3 53.08	11435.9 21.20	2155.27 4.00	53933 100.00
Frequency Missing = 2449.0974062									

$\chi^2 = 1250.9432$, $p < .0001$

Analysis subgroup: *SENSE* 2014 three-year cohort respondents who responded to the Promising Practices item set who took a placement test (TOOKPLTST = 1)

Number of academic areas placement test indicated a need for developmental education (DEVAREAS_CNT_R, dichotomous created variable) crossed with developmental status (DEVELOPM)

Table of devareas_cnt_r by developm				
devareas_cnt_r (Num academic areas pl. test indicated developmental needs)	Developm (Developmental Students vs. Non-Developmental Students)			
Frequency Percent Row Pct Col Pct	.	Developmental	Non-Developmental	Total
.	42.8582 . . .	552.962 . . .	276.061 . . .	. .
0. Need no dev ed	142.421 . . .	2222.93 4.02 12.09 6.06	16161.5 29.25 87.91 86.91	18384.5 33.27
1. Needed dev ed in 1+ acad areas	107.264 . . .	34441.2 62.33 93.40 93.94	2434.89 4.41 6.60 13.09	36876 66.73
Total	. .	36664.1 66.35	18596.4 33.65	55260.5 100.00
Frequency Missing = 1121.5657658				

$$\chi^2 = 36323.0508, p < .0001$$

Analysis subgroup: *SENSE* 2014 three-year cohort respondents who responded to the Promising Practices item set who took a placement test (TOOKPLTST = 1)

Number of academic areas placement test indicated a need for developmental education (DEVAREAS_CNT_R, dichotomous created variable) crossed with first generation status (FIRSTGEN)

Table of devareas_cnt_r by firstgen			
devareas_cnt_r (Num academic areas pl. test indicated developmental needs)	firstgen(First Generation vs. Not First Generation)		
Frequency Percent Row Pct Col Pct	First-Generation	Not First-Generation	Total
.	420.819 . . .	451.062 . . .	. .
0. Need no dev ed	6718.72 12.10 36.26 27.97	11808.2 21.27 63.74 37.50	18526.9 33.38
1. Needed dev ed in 1+ acad areas	17303.5 31.17 46.79 72.03	19679.8 35.45 53.21 62.50	36983.3 66.62
Total	24022.2 43.28	31488 56.72	55510.2 100.00
Frequency Missing = 871.88132291			

$\chi^2 = 556.7600$, $p < .0001$

Analysis subgroup: *SENSE* 2014 three-year cohort respondents who responded to the Promising Practices item set who took a placement test (TOOKPLTST = 1)

Number of academic areas placement test indicated a need for developmental education (DEVAREAS_CNT_R, dichotomous created variable) crossed with overall high school grade (HSGRADE)

Table of devareas_cnt_r by hsgrade								
devareas_cnt_r (Num academic areas pl. test indicated developmental needs)	**Hsgrade (Q28. Overall HS GPA)**							
Frequency **Percent** **Row Pct** **Col Pct**	**.**	**A**	**A- to B+**	**B**	**B- to C+**	**C**	**C- or lower**	**Total**
.	73.2979 . . .	47.7736 . . .	191.269 . . .	159.136 . . .	259.075 . . .	93.9561 . . .	47.3738 . . .	. .
0. Need no dev ed	365.433 . . .	1582.53 2.92 8.71 54.78	5856.09 10.81 32.24 39.53	4473.28 8.26 24.63 35.30	4215.15 7.78 23.21 26.52	1456.15 2.69 8.02 25.92	578.238 1.07 3.18 25.15	18161.4 33.52
1. Needed dev ed in 1+ acad areas	959.457 . . .	1306.47 2.41 3.63 45.22	8958.5 16.53 24.87 60.47	8199.92 15.13 22.76 64.70	11677.2 21.55 32.42 73.48	4161.21 7.68 11.55 74.08	1720.58 3.18 4.78 74.85	36023.9 66.48
Total	. .	2889 5.33	14814.6 27.34	12673.2 23.39	15892.3 29.33	5617.36 10.37	2298.82 4.24	54185.3 100.00
Frequency Missing = 2196.771776								

$\chi^2 = 1410.7919$, $p < .0001$

Analysis subgroup: *SENSE* 2014 three-year cohort respondents who responded to the Promising Practices item set who took a placement test (TOOKPLTST = 1)

Based on the review of the data above, additional analyses (frequencies and cross-tabulations) were generated. Frequencies and crosstabs are intermixed and are presented below. Unless otherwise noted (below the relevant table), the data include all respondents from the 2014 *SENSE* three-year cohort who responded to the Promising Practices item set.

The following table presents the number of students who took a placement test and the results of their placement test.

`devareas_cnt_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. Need no dev ed	18526.88	33.38	18526.88	33.38
1. Needed dev ed in 1+ acad areas	36983.31	66.62	55510.18	100.00
Frequency Missing = 871.88132291				

Analysis subgroup: *SENSE* 2014 three-year cohort respondents who responded to the Promising Practices item set who took a placement test (TOOKPLTST = 1)

The following table looks at the number of students who were told they were required to enroll in the classes indicated by the scores on their placement test.

Q14. This college required me to enroll in classes indicated by my placement test scores during my FIRST SEMESTER/QUARTER				
reqclass	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	33952	89.71	33952	89.71
No	3896	10.29	37848	100.00
Frequency Missing = 212				

Analysis subgroup: *SENSE* 2014 three-year cohort respondents who responded to the Promising Practices item set who took a placement test (TOOKPLTST = 1), who placed into developmental education in one or more areas (DEVAREAS_CNT_R = 1)

The following table delves further into student actions with regard to students enrolling in developmental courses after being advised that they are required to, by showing the number of respondents who were told they were required to take a developmental education course in their first academic term and whether they did or not.

PP9. (R) Told req'd to take a dev ed crse 1st term and I (did/not)				
req2tkdev_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. Did not enroll in any	1802.398	6.58	1802.398	6.58
1. Enrolled in 1+ course	25573.42	93.42	27375.82	100.00
Frequency Missing = 5474.3250225				

Analysis subgroup: *SENSE* 2014 three-year cohort respondents who responded to the Promising Practices item set who took a placement test (TOOKPLTST = 1), who placed into developmental education in one or more areas (DEVAREAS_CNT_R = 1), and who were told they were required to enroll in classes indicated by their placement test scores during their first academic term

Some colleges provide various types of resource for students who wish to prepare for the placement test (online or printed materials provided by the college, an intensive brush-up or refresher program, or a multi-day/week brush-up or refresher program). Is there a difference between students with better high school grades and those with lower high school grade in utilizing these resources?

Table of pltstprep_r by hsgd_bpl				
pltstprep_r (PP7. (R) Before enrolling, ... prep'd for placement test)	**hsgd_bpl (Q28. (R) HS GPA = B or better)**			
Frequency **Percent** **Row Pct** **Col Pct**	**.**	**0. HS GPA: C or lower**	**1. HS GPA: B or better**	**Total**
.	801.267 . . .	4776.15 . . .	8010.82 . . .	. .
0. Did not prepare for pl. test	527.799 . . .	13807.7 27.80 47.48 61.93	15276.1 30.75 52.52 55.80	29083.8 58.55
1. Prepared for pl. test	385.162 . . .	8487.77 17.09 41.22 38.07	12102.9 24.36 58.78 44.20	20590.7 41.45
Total	. .	22295.5 44.88	27379 55.12	49674.5 100.00
Frequency Missing = 14501.197699				

$$\chi^2 = 1658.0249, \, p < .0001$$

For those who use test preparation resources (online or printed materials provided by the college, an intensive brush-up or refresher program, or a multi-day/week brush-up or refresher program), did they find them helpful?

PP8. (R) Used college's resources and found them (helpful/not)				
plprephlpd_r	**Frequency**	**Percent**	**Cumulative Frequency**	**Cumulative Percent**
0. Not helpful	613.2583	3.69	613.2583	3.69
1. Helpful	16020.83	96.31	16634.09	100.00
Frequency Missing = 4341.7233774				

Analysis subgroup: *SENSE* 2014 three-year cohort respondents who responded to the Promising Practices item set who reported they prepared for the placement test in some way (PLTSTPREP_R = 1)

A previous table examined the distribution of students who needed developmental education in one or more areas and those who did not by HS GPA but was limited to those students who took a placement test. The following table examines the distribution of all respondents who reported a HS GPA, but does not include the restriction of having taken a placement test. (See the "New analysis variables created" section above for coding of DEVAREAS_CNT_R.)

Table of hsgrade by devareas_cnt_r				
Hsgrade (Q28. Overall HS GPA)	**devareas_cnt_r (Number of areas student's placement test indicated dev need)**			
Frequency Percent Row Pct Col Pct	**.**	**0. No Dev needed**	**1. Needed Dev in one or more areas**	**Total**
.	73.2979 . . .	609.762 . . .	1031.17 . . .	. .
A	47.7736 . . .	2073.38 3.36 60.50 8.56	1353.49 2.19 39.50 3.62	3426.87 5.56
A- to B+	191.269 . . .	7810.35 12.67 45.71 32.23	9278.11 15.05 54.29 24.79	17088.5 27.71
B	159.136 . . .	5962.03 9.67 41.18 24.61	8514.29 13.81 58.82 22.75	14476.3 23.48
B- to C+	259.075 . . .	5678.77 9.21 31.91 23.44	12118.3 19.65 68.09 32.37	17797.1 28.86
C	93.9561 . . .	1940.77 3.15 30.78 8.01	4363.69 7.08 69.22 11.66	6304.46 10.22
C- or lower	47.3738 . . .	765.564 1.24 29.79 3.16	1804.1 2.93 70.21 4.82	2569.66 4.17
Total	. .	24230.9 39.30	37432 60.70	61662.9 100.00
Frequency Missing = 2512.8121236				

$\chi^2 = 1658.0249$, $p < .0001$

CCSSE Survey Data

The *CCSSE* survey data utilized in these analyses were collected as part of the regular survey administrations in spring 2015. These data are limited to a single year administration because the Assessment and Placement (A&P) item set from which much of the *CCSSE* data for this report were derived, was not administered prior to 2015.

Respondents included in the analysis data set
The *CCSSE* 2015 three-year cohort included a total of 442,202 respondents. The demographic for this full set of respondents is presented in the demographics table below along with the demographics for the 70,181 respondents who completed the A&P item set in 2015.

Data cleaning
A number of variables were recoded into new dichotomous variables for the analyses. In some cases, especially among the items from the A&P item set, one of the response options was "N.A." reflecting that the item did not apply to the respondent; in some cases because the respondent did not take a placement test, or did not enroll in a particular type of course. See A&P items 5, 7, 9, 10, 11, 12, 13, 14, 15, and 16 in the codebook below for specific examples.

In several cases, variables were recoded two different ways. For example, item 8c (DEVREAD) from the main *CCSSE* survey is coded into two different dichotomous variables. One version (DEVREAD_TRAD) recodes the responses "I have done" and "I plan to do" into one category that assumes the respondent's plans to take a developmental reading class will come true and is coded to reflect enrollment in such a class while "I have not done nor plan to do" is coded as the same. The alternative version of this variable (DEVREAD_DONE) takes a more strict approach to coding participation in a developmental reading course. If a respondent reported "I have done", the new variable is coded as having enrolled in a developmental reading class; otherwise the responded is coded as not having enrolled in the reading class. In the codebook presented below, cases where a variable has been coded in different ways, the entries are boxed with broader boarders around the pair of items. Specific recodes are presented in the following codebook.

In addition to the recodes specified in the codebook below, there were a number of other variables that were recoded based on values from another variable or new variables were created. These data manipulations are described next.

Item 13 on the *CCSSE* main survey asks students about their experiences with a number of student services, their satisfaction with those services, and how important they think the services are. The first part of this item ask students if they have used each service. One of the response options is "Don't know/N.A." Proceeding form the logic that if a student does not know if they have ever used a service or if that service is not applicable for them, the student should not have a perspective on how satisfied with that service or what the importance of that service is. As such, if a student selected "Don't know/N.A.", the corresponding satisfaction and importance variables are recoded to missing to exclude these respondents from any analysis of these variables. The services examined in preparation for this report included 13a. Academic advising/planning, 13b. Career counseling, 13d. Peer or other tutoring, 13e. Skill labs (writing, math, etc.), and 13h. Computer lab.

As with the *SENSE* data, there were a number of items (all on the A&P item set) that asked respondents about different aspects of Assessment and Placement. Looking across these items, responses to some questions might reflect inconsistencies with responses to other items. For example, one response to A&P Q6 ("Before I could register for my first term at this college, I was required to take a placement test (…) at this college…") is "Yes, it was required, but I did not take it." If a respondent chose this option (A&P Q6 = 2), then responding anything other than "N.A.; I did not take a placement test" on item 10 ("The results of the placement test I took at this college indicated that I needed to take a developmental/basic skills/college prep course…") would signal an inconsistency in the responses. Records with such inconsistencies were flagged and removed from the analysis data set. The SAS code used to identify all inconsistent records in the *CCSSE* data set is provided below.

```
if q6  = 2  then do ;
   if q10 in (1 2 3 )   then q6q10_incon = 1 ;
   if q11 in (1 2 3 4)  then q6q11_incon = 1 ;
end ;

if q7  = 5  then do ;
   if q10 in (1 2 3)    then q7q10_incon = 1 ;
   if q11 in (1 2 3 4)  then q7q11_incon = 1 ;
end ;

if q9  = 5  then do ;
   if q10 in (1 2 3)    then q9q10_incon = 1 ;
   if q11 in (1 2 3 4)  then q9q11_incon = 1 ;
end ;

if q10 = 4  then do ;
   if q11 in (1 2 3 4)  then q10q11_incon = 1 ;
end ;

if q11 = 5  then do ;
   if q10 in (1 2 3)    then q11q10_incon = 1 ;
end ;
```

New Analysis Variables Created
TOOKPLTST (Took a placement test): Indicator variable
      Possible values: 0 = did not take a placement test
                          1 = took a placement test.

      If the student provided response to all items Q6, Q7, Q9, Q10, AND Q11 from the A&P item set that reflected that they took a placement test at their college, the student was flagged as having taken a placement test.

Source & Analysis Variable Name	Item	Responses	
		Original Response Options	Recoded Response Options
A&P Item Set Q6_R	6. Before I could register for my first term at this college, I was required to take a placement test (ACCUPLACER, ASSET, COMPASS, etc.) to assess my academic skills in reading, writing, and/or math.	1 = Yes, and I took it	1 = Yes, and I took it
		2 = Yes, it was required, but I did not take it	0 = Did not take it
		3 = No, it was not required	. = missing
A&P Item Set Q7_R	7. I became aware that I was required to take a placement test (ACCUPLACER, ASSET, COMPASS, etc.) at this college…	1 = More than a month before taking the test	1 = More than a month before taking the test
		2 = About 1 to 4 weeks before taking the test	0 = A month or less before taking the test
		3 = About 1 to 6 days before taking the test	
		4 = The same day I took the test	
		5 = N.A.; I did not take a placement test	. = missing
A&P Item Set Q8_R	8. While I was in high school I completed this college's placement test (ACCUPLACER, ASSET, COMPASS, etc.) to assess my academic skills in reading, writing, and/or math.	1 = Yes	1 = Yes
		2 = No	0 = No
		3 = I don't remember	. = missing
A&P Item Set Q9_R	9. Before enrolling at this college, I prepared for this college's placement test (ACCUPLACER, ASSET, COMPASS, etc.) in the following way:	1 = On my own using online or printed materials provided by the college	1 = Yes, prepared in some way
		2 = Participating in a brief (8 hours or less), intensive brush-up/refresher workshop	
		3 = Participating in a multi-day or multi-week brush-up/refresher program (often held during the summer before fall enrollment)	
		4 = I did not do anything to prepare for this college's placement test	0 = Did not prepare for the test
		5 = N.A.; I did not take a placement test	. = missing

Source & Analysis Variable Name	Item	Responses	
		Original Response Options	**Recoded Response Options**
A&P Item Set Q10_R	10. The results of the placement test I took at this college indicated that I needed to take a developmental/basic skills/college prep course...	1 = In more than one academic skill area (reading, writing, and/or math)	1 = Placement test indicated need for developmental education in one or more areas
		2 = In one academic skill area (reading, writing, or math)	
		3 = N.A.; My placement test results did not indicate that I needed to take any of these courses	0 = Placement test indicated no need for developmental education
		4 = N.A.; I did not take a placement test	. = missing
A&P Item Set Q11_RD	11. Because my placement test results indicated that I needed to take at least one developmental/basic skills/college prep course, I was...	1 = Told that I was required to take more than one of these courses in my first term	1 = Was told I was required or should take one or more developmental education courses in my first term
		2 = Told that I was required to take one of these courses in my first term	
		3 = Told that I should or could take one of these courses, but I was not required to in my first term	
		4 = N.A.; My placement test results did not indicate that I needed to take any of these courses	0 = Placement test indicated no need for developmental education courses
		5 = N.A.; I did not take a placement test	. = missing
A&P Item Set Q11_RT	11. Because my placement test results indicated that I needed to take at least one developmental/basic skills/college prep course, I was...	1 = Told that I was required to take more than one of these courses in my first term	1 = Was told I was required to take one or more developmental education courses in my first term
		2 = Told that I was required to take one of these courses in my first term	
		3 = Told that I should or could take one of these courses, but I was not required to in my first term	2 = Was told I should take at least one developmental course, but was not required to do so in my first term.
		4 = N.A.; My placement test results did not indicate that I needed to take any of these courses	0 = Placement test indicated no need for developmental education courses
		5 = N.A.; I did not take a placement test	. = missing

Source & Analysis Variable Name	Item	Responses	
		Original Response Options	**Recoded Response Options**
A&P Item Set Q12_R	12. I was told that I was required to enroll in a developmental/basic skills/college prep course in my first term, and I...	1 = Did enroll in more than one of these courses 2 = Did enroll in one of these courses	1 = Enrolled in one or more developmental education course
		3 = Did not enroll in any of these courses	0 = Did not enroll in a developmental education course
		4 = N.A.	. = missing
A&P Item Set Q13_R	13. I enrolled in the English course indicated by my placement test results, and I felt that the course level was…	1 = Above my skill level at that time 3 = Below my skill level at that time	0 = Not appropriate for my skill level at that time
		2 = Appropriate for my skill level at that time	1 = Appropriate for my skill level at that time
		4 = N.A.	. = missing
A&P Item Set Q14_R	14. I enrolled in the math course indicated by my placement test results, and I felt that the course level was…	1 = Above my skill level at that time 3 = Below my skill level at that time	0 = Not appropriate for my skill level at that time
		2 = Appropriate for my skill level at that time	1 = Appropriate for my skill level at that time
		4 = N.A.	. = missing
A&P Item Set Q15_R	15. During the first few class sessions of an English course at this college, my instructor advised me to enroll in a higher or lower level course.	1 = Yes, a higher level 2 = Yes, a lower level	1 = Advised to change to a higher/lower level
		3 = No, I was not advised to enroll in a higher or lower level English course	0 = Not advised to change courses
		4 = N.A.; I have not enrolled in an English course at this college	. = missing
A&P Item Set Q16_R	16. During the first few class sessions of a math course at this college, my instructor advised me to enroll in a higher or lower level course.	1 = Yes, a higher level 2 = Yes, a lower level	1 = Advised to change to a higher/lower level
		3 = No, I was not advised to enroll in a higher or lower level math course	0 = Not advised to change courses
		4 = N.A.; I have not enrolled in a math course at this college	. = missing

Source & Analysis Variable Name	Item	Responses	
		Original Response Options	**Recoded Response Options**
A&P Item Set Q17	17. While at this college, I have enrolled in a college-level English course and a developmental English (reading/writing) course during the same academic term.	1 = Yes 2 = No	[not recoded]
A&P Item Set Q18	18. While at this college, I have enrolled in a college-level math course and a developmental math course during the same academic term.	1 = Yes 2 = No	[not recoded]
A&P Item Set Q19	19. While at this college, I have enrolled in an on-campus developmental math course that uses computer-based instruction.	1 = Yes 2 = No	[not recoded]
A&P Item Set Q20_GDB	20. In what range was your overall high school grade point average (GPA)?	1 = A 2 = B	1 = HS GPA of B or better
		3 = C 4 = D or lower	0 = HS GPA less than B
A&P Item Set Q20_GDC	20. In what range was your overall high school grade point average (GPA)?	1 = A 2 = B 3 = C	1 = HS GPA of C or better
		4 = D or lower	0 = HS GPA less than C
CCSSE Main DEVREAD_TRAD	8c. Developmental/remedial reading course	1 = I have not done nor plan to do	0 = Have not done nor plan to do
		2 = I plan to do 3 = I have done	1 = Have done or plan to do
CCSSE Main DEVREAD_DONE	8c. Developmental/remedial reading course	1 = I have not done nor plan to do 2 = I plan to do	0 = Have not done
		3 = I have done	1 = Have done

Source & Analysis Variable Name	Item	Responses	
		Original Response Options	**Recoded Response Options**
CCSSE Main DEVWRITE_TRAD	8d. Developmental/remedial writing course	1 = I have not done nor plan to do	0 = Have not done nor plan to do
		2 = I plan to do	1 = Have done or plan to do
		3 = I have done	
CCSSE Main DEVWRITE_DONE	8d. Developmental/remedial writing course	1 = I have not done nor plan to do	0 = Have not done
		2 = I plan to do	
		3 = I have done	1 = Have done
CCSSE Main DEVMATH_TRAD	8e. Developmental/remedial math course	1 = I have not done nor plan to do	0 = Have not done nor plan to do
		2 = I plan to do	1 = Have done or plan to do
		3 = I have done	
CCSSE Main DEVMATH_DONE	8e. Developmental/remedial math course	1 = I have not done nor plan to do	0 = Have not done
		2 = I plan to do	
		3 = I have done	1 = Have done
CCSSE Main STUDSKIL_TRAD	8f. Study skills course	1 = I have not done nor plan to do	0 = Have not done nor plan to do
		2 = I plan to do	1 = Have done or plan to do
		3 = I have done	
CCSSE Main TRADSKIL_DONE	8f. Study skills course	1 = I have not done nor plan to do	0 = Have not done
		2 = I plan to do	
		3 = I have done	1 = Have done
CCSSE Main CERTPGM_R	17a. Complete a certificate program	1 = Not a goal	0 = Not a goal
		2 = Secondary goal	1 = Is a goal (primary or secondary)
		3 = Primary goal	
CCSSE Main ASSOCDEG_R	17b. Obtain an associate degree	1 = Not a goal	0 = Not a goal
		2 = Secondary goal	1 = Is a goal (primary or secondary)
		3 = Primary goal	

Source & Analysis Variable Name	Item	Responses	
		Original Response Options	**Recoded Response Options**
CCSSE Main TR4YR_R	17c. Transfer to a 4-year college or university	1 = Not a goal	0 = Not a goal
		2 = Secondary goal 3 = Primary goal	1 = Is a goal (primary or secondary)

Results for *CCSSE* data

CCSSE Demographics (Weighted)

Demographic	2015 Respondents		Assessment & Placement Respondents	
	Count	Percent	Count	Percent
Gender				
Male	190,224	43.91	28,750	41.31
Female	242,996	56.09	40,843	58.69
Race / Ethnicity				
Am. Indian or Native Am.	8,181	1.92	1,225	1.8
Asian, Asian Am., Pacific Islander	26,357	6.19	2,973	4.37
Native Hawaiian	1,333	0.31	77	0.11
Black or African Am., Non-Hispanic.	54,740	12.85	8,355	12.29
White, Non-Hispanic	245,989	57.74	42,257	62.15
Hispanic, Latino, Spanish	70,063	16.45	10,291	15.14
Other	19,371	4.55	2,810	4.13
Age				
Traditional-Age	297,266	68.75	49,575	71.33
Nontraditional-Age	135,141	31.25	19,926	28.67
Developmental Status				
Developmental	218,649	51.01	33,355	48.91
Non-Developmental	210,020	48.99	34,841	51.09
First Generation Status				
First-Generation	110,556	32.07	17,430	31.45
Not First-Generation	234,199	67.93	37,994	68.55

The following pages present the initial frequencies and crosstabs that were reviewed when preparing the national report, including the variables not included in the final report. The following pages are direct output from SAS procedures and the tables are explained in the page headers. The crosstab output includes full chi-square statistics and, for 2x2 tables, Fisher's Exact Test results.

Initial frequencies

Items from the Assessment and Placement Item set

q6. Before I could register, was req'd to take placement test				
Q6	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Yes, and I took it	52480.43	75.16	52480.43	75.16
2. Yes, it was required, but I did not take it	1392.439	1.99	53872.87	77.16
3. No, it was not required	15950.84	22.84	69823.7	100.00

q7. I became aware I had to take placement test...				
Q7	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. More than a month before taking the test	32564.32	46.83	32564.32	46.83
2. About 1 to 4 weeks before taking the test	12082.7	17.38	44647.01	64.21
3. About 1 to 6 days before taking the test	4783.454	6.88	49430.47	71.09
4. The same day I took the test	5032.835	7.24	54463.3	78.32
5. N.A.; I did not take a placement test	15072.55	21.68	69535.85	100.00
Frequency Missing = 287.85080332				

q8. While in HS, completed college's placement test				
Q8	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Yes	21887.34	31.89	21887.34	31.89
2. No	34911.4	50.86	56798.74	82.75
3. I don't remember	11838.72	17.25	68637.46	100.00
Frequency Missing = 1186.2462671				

q9. Before enrolling, prepared for this college's placement test - how				
Q9	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. On my own using online/printed materials provided by the college	14432.49	20.86	14432.49	20.86
2. Participating in a brief, intensive brush-up/refresher workshop	2934.552	4.24	17367.04	25.11
3. Participating in a multi-day/-week brush-up/refresher pgm	1927.481	2.79	19294.52	27.89
4. I did not do anything to prepare for this college's placement test	35052.04	50.67	54346.56	78.57
5. N.A.; I did not take a placement test	14826.15	21.43	69172.71	100.00
Frequency Missing = 650.99502947				

q10. Results of placement test indicated I needed to take a dev ed course...				
Q10	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. In more than one academic skill area	14648.68	22.18	14648.68	22.18
2. In one academic skill area	21619.98	32.74	36268.66	54.92
3. N.A.; My placement test results did not indicated dev ed needed	17250.91	26.12	53519.57	81.04
4. N.A.; I did not take a placement test	12523.93	18.96	66043.51	100.00
Frequency Missing = 3780.1989575				

q11. Because placement test indicated I needed 1+ dev ed, I was told...				
Q11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Told that I was required to take >1 of these courses in 1st term	11751.5	17.02	11751.5	17.02
2. Told that I was required to take one of these courses in 1st term	15158.84	21.95	26910.34	38.97
3. Told that I should | could take one of these courses in 1st term	9950.875	14.41	36861.21	53.38
4. N.A.; my placement test results did not indicate I needed dev ed	16638.19	24.09	53499.41	77.48
5. N.A.; I did not take a placement test	15553.9	22.52	69053.31	100.00
Frequency Missing = 770.3955627				

q12. I was told I was req'd to enroll in dev ed course in my 1st term				
Q12	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Did enroll in more than one of these courses	13127.28	19.33	13127.28	19.33
2. Did enroll in one of these courses	17235.51	25.38	30362.79	44.71
3. Did not enroll in any of these courses	7857.52	11.57	38220.31	56.28
4. N.A.	29695.79	43.72	67916.1	100.00
Frequency Missing = 1907.6072959				

q13. I enrolled in Eng course indicated ... felt course level was...				
Q13	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Above my skill level at that time	3775.592	5.54	3775.592	5.54
2. Appropriate for my skill level at that time	29858.87	43.79	33634.46	49.33
3. Below my skill level at that time	7448.511	10.92	41082.97	60.26
4. N.A.	27097.24	39.74	68180.21	100.00
Frequency Missing = 1643.4925595				

q14. I enrolled in Math course indicated ... felt course level was...				
Q14	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Above my skill level at that time	5609.471	8.23	5609.471	8.23
2. Appropriate for my skill level at that time	27578.66	40.46	33188.13	48.69
3. Below my skill level at that time	9434.293	13.84	42622.42	62.54
4. N.A.	25533.97	37.46	68156.39	100.00
Frequency Missing = 1667.313726				

q15. During 1st few classes - Eng - instructor advised higher/lower level				
Q15	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Yes, a higher level	6794.749	9.94	6794.749	9.94
2. Yes, a lower level	2817.346	4.12	9612.095	14.07
3. No, I was not advised to enroll in a higher/lower level class	42557.2	62.27	52169.29	76.34
4. N.A.; I have not enrolled in Math/English course at this college	16169.53	23.66	68338.82	100.00
Frequency Missing = 1484.8846061				

q16. During 1st few classes - Math - instructor advised higher/lower level				
Q16	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Yes, a higher level	6417.364	9.39	6417.364	9.39
2. Yes, a lower level	3934.75	5.75	10352.11	15.14
3. No, I was not advised to enroll in a higher/lower level class	41927.32	61.32	52279.44	76.46
4. N.A.; I have not enrolled in Math/English course at this college	16092.07	23.54	68371.51	100.00
Frequency Missing = 1452.1985597				

q17. At this college, enrolled in col-level Eng & dev Eng at same time				
Q17	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Yes	16014.35	23.77	16014.35	23.77
2. No	51361.71	76.23	67376.06	100.00
Frequency Missing = 2447.6454106				

q18. At this college, enrolled in col-level Math & dev Eng at same time				
Q18	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Yes	13009.54	19.28	13009.54	19.28
2. No	54474.21	80.72	67483.75	100.00
Frequency Missing = 2339.9516402				

q19. At this college, enrolled in on-campus dev math that used computer				
Q19	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	16662.11	24.81	16662.11	24.81
2	50502.69	75.19	67164.79	100.00
Frequency Missing = 2658.9120816				

q20. In what range was overall HS GPA				
Q20	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. A	16547.8	24.34	16547.8	24.34
2. B	34306.39	50.47	50854.2	74.82
3. C	15320.24	22.54	66174.44	97.35
4. D or lower	1797.984	2.65	67972.42	100.00
Frequency Missing = 1851.2797535				

Items from the main *CCSSE* survey

q6 dich. Before I could register, was req'd to take placement test				
q6_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. Did not take it	1392.439	2.58	1392.439	2.58
1. Took it	52480.43	97.42	53872.87	100.00
Frequency Missing = 15950.838173				

q7 dich.. I became aware I had to take placement test...				
q7_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. Less than a month before taking the test	21898.99	40.21	21898.99	40.21
1. More than a month before taking the test	32564.32	59.79	54463.3	100.00
Frequency Missing = 15360.403163				

q8 dich.. While in HS, completed college's placement test				
q8_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. No	34911.4	61.47	34911.4	61.47
1. Yes	21887.34	38.53	56798.74	100.00
Frequency Missing = 13024.966805				

q9 dich.. Before enrolling, prepared for this college's placement test - how				
q9_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. Did not prepare for placement test	35052.04	64.50	35052.04	64.50
1. Prepared for placement test	19294.52	35.50	54346.56	100.00
Frequency Missing = 15477.146929				

q10 dich. Results of placement test indicated I needed to take a dev ed course...				
q10_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. Placement test indicated NO need for dev ed courses	17250.91	32.23	17250.91	32.23
1. Placement test indicated dev ed needed in 1 or more areas	36268.66	67.77	53519.57	100.00
Frequency Missing = 16304.131139				

q11 dich. Because placement test indicated I needed 1+ dev ed, I was told...				
q11_rd	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. Placement test indicated NO need for dev ed courses	16638.19	31.10	16638.19	31.10
1. Told required/should take 1 or more dev ed courses in 1st term	36861.21	68.90	53499.41	100.00
Frequency Missing = 16324.298853				

q11 3-lvl. Because placement test indicated I needed 1+ dev ed, I was told...				
q11_rt	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. Placement test indicated NO need for dev ed courses	16638.19	31.10	16638.19	31.10
1. Told required to take 1 or more dev ed courses in 1st term	26910.34	50.30	43548.53	81.40
2. Told SHOULD take a dev ed course in 1st term, but not req'd in 1st term	9950.875	18.60	53499.41	100.00
Frequency Missing = 16324.298853				

q12 dich. I was told I was req'd to enroll in dev ed course in my 1st term				
q12_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. Did not enroll in any dev ed course	7857.52	20.56	7857.52	20.56
1. Did enroll in 1 or more dev ed courses	30362.79	79.44	38220.31	100.00
Frequency Missing = 31603.399272				

q13 dich. I enrolled in Eng course indicated ... felt course level was...				
q13_r	**Frequency**	**Percent**	**Cumulative Frequency**	**Cumulative Percent**
0. Felt dev ed level above/below skill level	11224.1	27.32	11224.1	27.32
1. Felt dev ed level was correct	29858.87	72.68	41082.97	100.00
Frequency Missing = 28740.734724				

q14 dich. I enrolled in Math course indicated ... felt course level was...				
q14_r	**Frequency**	**Percent**	**Cumulative Frequency**	**Cumulative Percent**
0. Felt dev ed level above/below skill level	15043.76	35.30	15043.76	35.30
1. Felt dev ed level was correct	27578.66	64.70	42622.42	100.00
Frequency Missing = 27201.280816				

q15 dich. During 1st few classes - Eng - instructor advised higher/lower level				
q15_r	**Frequency**	**Percent**	**Cumulative Frequency**	**Cumulative Percent**
0. Not advised to change level	42557.2	81.58	42557.2	81.58
1. Advised to enroll in higher/lower level course	9612.095	18.42	52169.29	100.00
Frequency Missing = 17654.414257				

q16 dich. During 1st few classes - Math - instructor advised higher/lower level				
q16_r	**Frequency**	**Percent**	**Cumulative Frequency**	**Cumulative Percent**
0. Not advised to change level	41927.32	80.20	41927.32	80.20
1. Advised to enroll in higher/lower level course	10352.11	19.80	52279.44	100.00
Frequency Missing = 17544.265816				

q20 dich. In what range was overall HS GPA				
q20_gdc	**Frequency**	**Percent**	**Cumulative Frequency**	**Cumulative Percent**
0. HS GPA: D or lower	1797.984	2.65	1797.984	2.65
1. HS GPA: C or better	66174.44	97.35	67972.42	100.00
Frequency Missing = 1851.2797535				

q20 dich. In what range was overall HS GPA				
q20_gdb	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. HS GPA: C or lower	17118.23	25.18	17118.23	25.18
1. HS GPA: B or better	50854.2	74.82	67972.42	100.00
Frequency Missing = 1851.2797535				

Sex				
SEX	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Male	27895.46	40.31	27895.46	40.31
Female	41300.17	59.69	69195.63	100.00
Frequency Missing = 628.07063121				

Developmental: 1 = Non-Developmental, 2 = Developmental				
developmental	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Non-Developmental	34571.92	51.08	34571.92	51.08
Developmental	33108.55	48.92	67680.47	100.00
Frequency Missing = 2143.2390184				

1st Generation: 1 = 1st Gen, 2 = Not 1st Gen				
generation	Frequency	Percent	Cumulative Frequency	Cumulative Percent
First-Generation	17980.3	32.55	17980.3	32.55
Not First-Generation	37253.88	67.45	55234.19	100.00
Frequency Missing = 14589.517927				

Credit Hrs Earned: 1 = 0-29 hrs, 2 = 30+ hrs				
credit	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0 to 29 Credits	43708.71	63.72	43708.71	63.72
30+ Credits	24885.51	36.28	68594.22	100.00
Frequency Missing = 1229.4846036				

Age: 1 = Trad Age (18 - 24), 2 = Non-Trad Age (25+)				
stud_age_class	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Traditional-Age	46048.21	66.64	46048.21	66.64
Nontraditional-Age	23052.22	33.36	69100.43	100.00
Frequency Missing = 723.27532918				

What is your racial identification				
RERACE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
American Indian or other Native American	1240.824	1.84	1240.824	1.84
Asian, Asian American or Pacific Islander	2826.253	4.18	4067.077	6.02
Black or African American, Non-Hispanic	8197.44	12.13	12264.52	18.15
White, Non-Hispanic	42176.3	62.42	54440.82	80.57
Hispanic, Latino, Spanish	10367.66	15.34	64808.48	95.92
Other	2759.216	4.08	67567.69	100.00
Frequency Missing = 2256.0108532				

Race/Ethnicity				
rerace_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Black or African American, Non-Hispanic	8197.44	12.13	8197.44	12.13
White, Non-Hispanic	42176.3	62.42	50373.74	74.55
Hispanic, Latino, Spanish	10367.66	15.34	60741.4	89.90
Other	6826.293	10.10	67567.69	100.00
Frequency Missing = 2256.0108532				

8c. Developmental Reading: Have Done/Plan to do				
devread_trad	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. Have not done	50704.81	74.20	50704.81	74.20
1. Have done/Plan to do	17625.96	25.80	68330.77	100.00
Frequency Missing = 1492.9330119				

8d. Developmental Writing: Have Done/Plan to do				
devwrite_trad	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. Have not done	46889.79	68.63	46889.79	68.63
1. Have done/Plan to do	21428.58	31.37	68318.37	100.00
Frequency Missing = 1505.3333219				

8e. Developmental Math: Have Done/Plan to do				
devmath_trad	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. Have not done	38175.31	56.00	38175.31	56.00
1. Have done/Plan to do	29997.62	44.00	68172.92	100.00
Frequency Missing = 1650.783379				

8f. Study skills course: Have Done/Plan to do				
studskil_trad	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. Have not done	43514.21	63.85	43514.21	63.85
1. Have done/Plan to do	24636.55	36.15	68150.76	100.00
Frequency Missing = 1672.9453744				

8c. Developmental Reading: Have Done				
devread_done	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. Have not done (incl plan to)	56025.93	81.99	56025.93	81.99
1. Have done	12304.84	18.01	68330.77	100.00
Frequency Missing = 1492.9330119				

8d. Developmental Writing: Have Done				
devwrite_done	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. Have not done (incl plan to)	53344.36	78.08	53344.36	78.08
1. Have done	14974.01	21.92	68318.37	100.00
Frequency Missing = 1505.3333219				

8e. Developmental Math: Have Done				
devmath_done	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. Have not done (incl plan to)	46912.57	68.81	46912.57	68.81
1. Have done	21260.36	31.19	68172.92	100.00
Frequency Missing = 1650.783379				

8f. Study skills course: Have Done				
studskil_done	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. Have not done (incl plan to)	56059.97	82.26	56059.97	82.26
1. Have done	12090.78	17.74	68150.76	100.00
Frequency Missing = 1672.9453744				

Frequency: Academic advising/planning (SUPPORT)				
USEACAD	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Don't know/N.A.	4503.024	6.60	4503.024	6.60
Rarely/Never	21528.49	31.56	26031.51	38.17
Sometimes	30813.82	45.18	56845.33	83.35
Often	11359.07	16.65	68204.4	100.00
Frequency Missing = 1619.3024271				

Frequency: Career counseling (SUPPORT)				
USECACOU	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Don't know/N.A.	13567.76	19.96	13567.76	19.96
Rarely/Never	34951.78	51.42	48519.54	71.38
Sometimes	15106.05	22.22	63625.6	93.60
Often	4350.127	6.40	67975.73	100.00
Frequency Missing = 1847.9794599				

Frequency: Peer or other tutoring (STUEFF)				
USETUTOR	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Don't know/N.A.	15493.33	22.95	15493.33	22.95
Rarely/Never	31963.63	47.35	47456.97	70.29
Sometimes	13982.49	20.71	61439.45	91.01
Often	6072.502	8.99	67511.95	100.00
Frequency Missing = 2311.7504154				

Frequency: Skill labs (writing, math, etc.) (STUEFF)				
USELAB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Don't know/N.A.	13535.23	20.09	13535.23	20.09
Rarely/Never	25332.01	37.60	38867.24	57.69
Sometimes	16887.59	25.06	55754.83	82.75
Often	11621.93	17.25	67376.75	100.00
Frequency Missing = 2446.9499822				

Frequency: Computer lab (STUEFF)				
USECOMLB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Don't know/N.A.	7895.356	11.71	7895.356	11.71
Rarely/Never	17112.94	25.37	25008.29	37.08
Sometimes	21207.37	31.44	46215.67	68.52
Often	21236.93	31.48	67452.59	100.00
Frequency Missing = 2371.1118149				

Satisfaction: Academic advising/planning				
SATACAD	Frequency	Percent	Cumulative Frequency	Cumulative Percent
N.A.	10201.43	15.28	10201.43	15.28
Not at all	5617.288	8.42	15818.71	23.70
Somewhat	27552.19	41.28	43370.9	64.98
Very	23373.36	35.02	66744.27	100.00
Frequency Missing = 3079.4394586				

Satisfaction: Career Counseling				
SATCACOU	**Frequency**	**Percent**	**Cumulative Frequency**	**Cumulative Percent**
N.A.	28105.09	42.46	28105.09	42.46
Not at all	8085.1	12.22	36190.19	54.68
Somewhat	17775.89	26.86	53966.08	81.54
Very	12218.99	18.46	66185.08	100.00
Frequency Missing = 3638.6283663				

Satisfaction: Peer or other tutoring				
SATTUTOR	**Frequency**	**Percent**	**Cumulative Frequency**	**Cumulative Percent**
N.A.	30637.5	46.70	30637.5	46.70
Not at all	5608.477	8.55	36245.98	55.25
Somewhat	15492.8	23.62	51738.79	78.87
Very	13860.58	21.13	65599.36	100.00
Frequency Missing = 4224.3399534				

Satisfaction: Skill labs (writing, math, etc.)				
SATLAB	**Frequency**	**Percent**	**Cumulative Frequency**	**Cumulative Percent**
N.A.	26077.49	39.85	26077.49	39.85
Not at all	4309.797	6.59	30387.28	46.44
Somewhat	18581.11	28.39	48968.39	74.83
Very	16469.9	25.17	65438.3	100.00
Frequency Missing = 4385.4084418				

Satisfaction: Computer lab				
SATCOMLB	**Frequency**	**Percent**	**Cumulative Frequency**	**Cumulative Percent**
N.A.	14303.37	21.79	14303.37	21.79
Not at all	3131.839	4.77	17435.21	26.56
Somewhat	18827.89	28.68	36263.1	55.24
Very	29382.98	44.76	65646.09	100.00
Frequency Missing = 4177.6188964				

Importance: Academic advising/planning				
IMPACAD	**Frequency**	**Percent**	**Cumulative Frequency**	**Cumulative Percent**
Not at all	5163.604	7.79	5163.604	7.79
Somewhat	16588.77	25.02	21752.38	32.81
Very	44545.19	67.19	66297.57	100.00
Frequency Missing = 3526.1326972				

Importance: Career counseling				
IMPCACOU	**Frequency**	**Percent**	**Cumulative Frequency**	**Cumulative Percent**
Not at all	12496.12	19.06	12496.12	19.06
Somewhat	18849.33	28.75	31345.45	47.81
Very	34220.85	52.19	65566.3	100.00
Frequency Missing = 4257.4043606				

Importance: Peer or other tutoring				
IMPTUTOR	**Frequency**	**Percent**	**Cumulative Frequency**	**Cumulative Percent**
Not at all	15890.38	24.46	15890.38	24.46
Somewhat	20719.77	31.89	36610.15	56.35
Very	28359.07	43.65	64969.22	100.00
Frequency Missing = 4854.4820577				

Importance: Skill labs (writing, math, etc.)				
IMPLAB	**Frequency**	**Percent**	**Cumulative Frequency**	**Cumulative Percent**
Not at all	13798.11	21.32	13798.11	21.32
Somewhat	20726.57	32.02	34524.68	53.34
Very	30201.86	46.66	64726.53	100.00
Frequency Missing = 5097.1698463				

Importance: Computer lab				
IMPCOMLB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not at all	9062.125	13.92	9062.125	13.92
Somewhat	17139.87	26.33	26201.99	40.24
Very	38905.25	59.76	65107.24	100.00
Frequency Missing = 4716.4672877				

To complete a certificate program				
CERTPRGM	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not a goal	31258.24	47.17	31258.24	47.17
Secondary goal	14004.52	21.14	45262.76	68.31
Primary goal	20998	31.69	66260.76	100.00
Frequency Missing = 3562.9455751				

To obtain an Associate's degree				
ASSOCDEG	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not a goal	9819.804	14.50	9819.804	14.50
Secondary goal	13554.39	20.01	23374.2	34.51
Primary goal	44356.84	65.49	67731.04	100.00
Frequency Missing = 2092.6665518				

To transfer to a 4-year college or university				
TR4YR	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not a goal	16835.72	24.86	16835.72	24.86
Secondary goal	15670.5	23.14	32506.22	47.99
Primary goal	35224.16	52.01	67730.38	100.00
Frequency Missing = 2093.3252215				

13a. Frequency of use: Academic advising / planning				
useacad_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Rarely / never	21528.49	33.80	21528.49	33.80
2. Sometimes	30813.82	48.37	52342.31	82.17
3. Often	11359.07	17.83	63701.38	100.00
Frequency Missing = 6122.3267911				

13b. Frequency of use: Career counseling				
usecacou_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Rarely / never	34951.78	64.24	34951.78	64.24
2. Sometimes	15106.05	27.76	50057.84	92.00
3. Often	4350.127	8.00	54407.96	100.00
Frequency Missing = 15415.740683				

13d. Frequency of use: Peer or other tutoring				
usetutor_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Rarely / never	31963.63	61.45	31963.63	61.45
2. Sometimes	13982.49	26.88	45946.12	88.33
3. Often	6072.502	11.67	52018.62	100.00
Frequency Missing = 17805.085284				

13e. Frequency of use: Skill labs (writing, math, etc.)				
uselab_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Rarely / never	25332.01	47.05	25332.01	47.05
2. Sometimes	16887.59	31.37	42219.6	78.41
3. Often	11621.93	21.59	53841.52	100.00
Frequency Missing = 15982.181648				

13h. Frequency of use: Computer lab				
usecomlb_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Rarely / never	17112.94	28.73	17112.94	28.73
2. Sometimes	21207.37	35.61	38320.31	64.34
3. Often	21236.93	35.66	59557.24	100.00
Frequency Missing = 10266.46814				

13a. Satisfaction with service: Academic advising / planning				
satacad_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Not at all satisfied	5330.911	9.54	5330.911	9.54
2. Somewhat satisfied	27257.33	48.77	32588.24	58.31
3. Very satisfied	23298.44	41.69	55886.67	100.00
Frequency Missing = 13937.030138				

13b. Satisfaction with service: Career counseling				
satcacou_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Not at all satisfied	7146.187	19.57	7146.187	19.57
2. Somewhat satisfied	17306	47.40	24452.19	66.97
3. Very satisfied	12061.81	33.03	36514	100.00
Frequency Missing = 33309.705385				

13d. Satisfaction with service: Peer or other tutoring				
sattutor_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Not at all satisfied	4630.546	13.96	4630.546	13.96
2. Somewhat satisfied	14905.26	44.93	19535.8	58.89
3. Very satisfied	13635.58	41.11	33171.38	100.00
Frequency Missing = 36652.325427				

13e. Satisfaction with service: Skill labs (writing, math, etc.)				
satlab_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Not at all satisfied	3574.915	9.41	3574.915	9.41
2. Somewhat satisfied	18113.01	47.67	21687.93	57.08
3. Very satisfied	16306.95	42.92	37994.88	100.00
Frequency Missing = 31828.821735				

13h. Satisfaction with service: Computer lab				
satcomlb_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Not at all satisfied	2709.922	5.37	2709.922	5.37
2. Somewhat satisfied	18506.33	36.68	21216.25	42.05
3. Very satisfied	29238.71	57.95	50454.96	100.00
Frequency Missing = 19368.741207				

13a. Importance of service: Academic advising / planning				
impacad_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Not at all important	3151.019	5.08	3151.019	5.08
2. Somewhat important	15503.32	24.99	18654.34	30.07
3. Very important	43387.48	69.93	62041.82	100.00
Frequency Missing = 7781.8824559				

13b. Importance of service: Career counseling				
impcacou_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Not at all important	6481.273	12.31	6481.273	12.31
2. Somewhat important	15806.7	30.02	22287.97	42.33
3. Very important	30366.44	57.67	52654.41	100.00
Frequency Missing = 17169.295551				

13d. Importance of service: Peer or other tutoring				
imptutor_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Not at all important	8239.687	16.40	8239.687	16.40
2. Somewhat important	16830.79	33.49	25070.47	49.89
3. Very important	25183.69	50.11	50254.16	100.00
Frequency Missing = 19569.543486				

13e. Importance of service: Skill labs (writing, math, etc.)				
implab_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Not at all important	7194.927	13.85	7194.927	13.85
2. Somewhat important	17405.58	33.50	24600.5	47.35
3. Very important	27355.81	52.65	51956.31	100.00
Frequency Missing = 17867.390193				

13h. Importance of service: Computer lab				
impcomlb_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Not at all important	4741.462	8.22	4741.462	8.22
2. Somewhat important	15507.69	26.89	20249.15	35.11
3. Very important	37423.34	64.89	57672.49	100.00
Frequency Missing = 12151.211805				

17a. Goal for attending: Complete a certificate program				
certpgm_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. Is not a goal	31258.24	47.17	31258.24	47.17
1. Is a goal (primary or secondary)	35002.52	52.83	66260.76	100.00
Frequency Missing = 3562.9455751				

17b. Goal for attending: Obtain an Associate degree				
assocdeg_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. Is not a goal	9819.804	14.50	9819.804	14.50
1. Is a goal (primary or secondary)	57911.23	85.50	67731.04	100.00
Frequency Missing = 2092.6665518				

17c. Goal for attending: Transfer to 4-year college/university				
tr4yr_r	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. Is not a goal	16835.72	24.86	16835.72	24.86
1. Is a goal (primary or secondary)	50894.66	75.14	67730.38	100.00
Frequency Missing = 2093.3252215				

Examination of subgroup differences

Flag indicating respondent took a placement test				
tookpltst	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. No	16007	22.81	16007	22.81
1. Yes	54174	77.19	70181	100.00

Table of tookpltst by ENRLMENT			
tookpltst(Flag indicating respondent took a placement test)	ENRLMENT(Thinking about this current academic term, how would you characterize your enrollment at this college?)		
Frequency Percent Row Pct Col Pct	Less than full-time	Full-time	Total
0. No	4695 6.69 29.33 25.77	11312 16.12 70.67 21.77	16007 22.81
1. Yes	13521 19.27 24.96 74.23	40653 57.93 75.04 78.23	54174 77.19
Total	18216 25.96	51965 74.04	70181 100.00

Statistics for Table of tookpltst by ENRLMENT

Statistic	DF	Value	Prob
Chi-Square	1	122.9154	<.0001
Likelihood Ratio Chi-Square	1	120.6756	<.0001
Continuity Adj. Chi-Square	1	122.6880	<.0001
Mantel-Haenszel Chi-Square	1	122.9136	<.0001
Phi Coefficient		0.0418	
Contingency Coefficient		0.0418	
Cramer's V		0.0418	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	4695
Left-sided Pr <= F	1.0000
Right-sided Pr >= F	<.0001
Table Probability (P)	<.0001
Two-sided Pr <= P	<.0001

Sample Size = 70181

Flag indicating respondent took a placement test				
tookpltst	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0. No	16704.98	23.92	16704.98	23.92
1. Yes	53118.72	76.08	69823.7	100.00

Table of tookpltst by SEX				
tookpltst(Flag indicating respondent took a placement test)	SEX(Sex)			
Frequency Percent Row Pct Col Pct	.	Male	Female	Total
0. No	110.342 . . .	6648.73 9.61 40.07 23.83	9945.9 14.37 59.93 24.08	16594.6 23.98
1. Yes	517.729 . . .	21246.7 30.71 40.39 76.17	31354.3 45.31 59.61 75.92	52601 76.02
Total	. .	27895.5 40.31	41300.2 59.69	69195.6 100.00
Frequency Missing = 628.07063121				

Statistics for Table of tookpltst by SEX

Statistic	DF	Value	Prob
Chi-Square	1	0.5596	0.4544
Likelihood Ratio Chi-Square	1	0.5598	0.4543
Continuity Adj. Chi-Square	1	0.5461	0.4599
Mantel-Haenszel Chi-Square	1	0.5596	0.4544
Phi Coefficient		-0.0028	
Contingency Coefficient		0.0028	
Cramer's V		-0.0028	

Effective Sample Size = 69195.6341
Frequency Missing = 628.07063121

Table of tookpltst by stud_age_class				
tookpltst(Flag indicating respondent took a placement test)	stud_age_class(Age: 1 = Trad Age (18 - 24), 2 = Non-Trad Age (25+))			
Frequency Percent Row Pct Col Pct	.	Traditional-Age	Nontraditional-Age	Total
0. No	167.81 . . .	10449.4 15.12 63.19 22.69	6087.8 8.81 36.81 26.41	16537.2 23.93
1. Yes	555.465 . . .	35598.8 51.52 67.73 77.31	16964.4 24.55 32.27 73.59	52563.3 76.07
Total	. .	46048.2 66.64	23052.2 33.36	69100.4 100.00
Frequency Missing = 723.27532918				

Statistics for Table of tookpltst by stud_age_class

Statistic	DF	Value	Prob
Chi-Square	1	116.5543	<.0001
Likelihood Ratio Chi-Square	1	115.2949	<.0001
Continuity Adj. Chi-Square	1	116.3502	<.0001
Mantel-Haenszel Chi-Square	1	116.5526	<.0001
Phi Coefficient		-0.0411	
Contingency Coefficient		0.0410	
Cramer's V		-0.0411	

Effective Sample Size = 69100.429402
Frequency Missing = 723.27532918

Table of tookpltst by RERACE

tookpltst(Flag indicating respondent took a placement test)		RERACE(What is your racial identification)							
Frequency Percent Row Pct Col Pct	.	American Indian or other Native American	Asian, Asian American or Pacific Islander	Native Hawaiian	Black or African American, Non-Hispanic	White, Non-Hispanic	Hispanic, Latino, Spanish	Other	Total
0. No	1034.41 . . .	254.094 0.38 1.62 20.48	636.652 0.94 4.06 23.10	10.4903 0.02 0.07 14.88	1572.28 2.33 10.03 19.18	10741.2 15.90 68.54 25.47	1883.74 2.79 12.02 18.17	572.147 0.85 3.65 20.74	15670.6 23.19
1. Yes	1221.61 . . .	986.731 1.46 1.90 79.52	2119.1 3.14 4.08 76.90	60.0116 0.09 0.12 85.12	6625.16 9.81 12.77 80.82	31435.1 46.52 60.57 74.53	8483.92 12.56 16.35 81.83	2187.07 3.24 4.21 79.26	51897.1 76.81
Total	. .	1240.82 1.84	2755.75 4.08	70.5018 0.10	8197.44 12.13	42176.3 62.42	10367.7 15.34	2759.22 4.08	67567.7 100.00
Frequency Missing = 2256.0108532									

Statistics for Table of tookpltst by RERACE

Statistic	DF	Value	Prob
Chi-Square	6	360.6824	<.0001
Likelihood Ratio Chi-Square	6	370.4606	<.0001
Mantel-Haenszel Chi-Square	1	2.2832	0.1308
Phi Coefficient		0.0731	
Contingency Coefficient		0.0729	
Cramer's V		0.0731	

Effective Sample Size = 67567.693878
Frequency Missing = 2256.0108532

Table of tookpltst by developmental				
tookpltst(Flag indicating respondent took a placement test)	developmental(Developmental: 1 = Non-Developmental, 2 = Developmental)			
Frequency Percent Row Pct Col Pct	.	Non-Developmental	Developmental	Total
0. No	423.252 . . .	12008.1 17.74 73.75 34.73	4273.6 6.31 26.25 12.91	16281.7 24.06
1. Yes	1719.99 . . .	22563.8 33.34 43.90 65.27	28834.9 42.60 56.10 87.09	51398.7 75.94
Total	. .	34571.9 51.08	33108.5 48.92	67680.5 100.00
Frequency Missing = 2143.2390184				

Statistics for Table of tookpltst by developmental

Statistic	DF	Value	Prob
Chi-Square	1	4409.8024	<.0001
Likelihood Ratio Chi-Square	1	4562.0729	<.0001
Continuity Adj. Chi-Square	1	4408.6078	<.0001
Mantel-Haenszel Chi-Square	1	4409.7372	<.0001
Phi Coefficient		0.2553	
Contingency Coefficient		0.2473	
Cramer's V		0.2553	

Effective Sample Size = 67680.465713
Frequency Missing = 2143.2390184

Table of tookpltst by generation				
tookpltst(Flag indicating respondent took a placement test)	generation(1st Generation: 1 = 1st Gen, 2 = Not 1st Gen)			
Frequency Percent Row Pct Col Pct	.	First-Generation	Not First-Generation	Total
0. No	2608.91 . . .	3661.72 6.63 25.98 20.37	10434.3 18.89 74.02 28.01	14096.1 25.52
1. Yes	11980.6 . . .	14318.6 25.92 34.81 79.63	26819.5 48.56 65.19 71.99	41138.1 74.48
Total	. .	17980.3 32.55	37253.9 67.45	55234.2 100.00
Frequency Missing = 14589.517927				

Statistics for Table of tookpltst by generation

Statistic	DF	Value	Prob
Chi-Square	1	372.7557	<.0001
Likelihood Ratio Chi-Square	1	382.9344	<.0001
Continuity Adj. Chi-Square	1	372.3537	<.0001
Mantel-Haenszel Chi-Square	1	372.7489	<.0001
Phi Coefficient		-0.0822	
Contingency Coefficient		0.0819	
Cramer's V		-0.0822	

Effective Sample Size = 55234.186805
Frequency Missing = 14589.517927

WARNING: 21% of the data are missing

Table of tookpltst by credit				
tookpltst(Flag indicating respondent took a placement test)	**credit(Credit Hrs Earned: 1 = 0-29 hrs, 2 = 30+ hrs)**			
Frequency Percent Row Pct Col Pct	**.**	**0 to 29 Credits**	**30+ Credits**	**Total**
0. No	301.134 . . .	11471.7 16.72 69.93 26.25	4932.19 7.19 30.07 19.82	16403.8 23.91
1. Yes	928.351 . . .	32237.1 47.00 61.77 73.75	19953.3 29.09 38.23 80.18	52190.4 76.09
Total	. .	43708.7 63.72	24885.5 36.28	68594.2 100.00
Frequency Missing = 1229.4846036				

Statistics for Table of tookpltst by credit

Statistic	DF	Value	Prob
Chi-Square	1	359.8874	<.0001
Likelihood Ratio Chi-Square	1	367.0840	<.0001
Continuity Adj. Chi-Square	1	359.5344	<.0001
Mantel-Haenszel Chi-Square	1	359.8822	<.0001
Phi Coefficient		0.0724	
Contingency Coefficient		0.0722	
Cramer's V		0.0724	

Effective Sample Size = 68594.220128
Frequency Missing = 1229.4846036

Table of tookpltst by Q6

tookpltst(Flag indicating respondent took a placement test)	Q6(q6. Before I could register, was req'd to take placement test)			
Frequency **Percent** **Row Pct** **Col Pct**	**1. Yes, and I took it**	**2. Yes, it was required, but I did not take it**	**3. No, it was not required**	**Total**
0. No	864.059 1.24 5.17 1.65	1392.44 1.99 8.34 100.00	14448.5 20.69 86.49 90.58	16705 23.92
1. Yes	51616.4 73.92 97.17 98.35	0 0.00 0.00 0.00	1502.36 2.15 2.83 9.42	53118.7 76.08
Total	52480.4 75.16	1392.44 1.99	15950.8 22.84	69823.7 100.00

Table of tookpltst by Q7

tookpltst(Flag indicating respondent took a placement test)	Q7(q7. I became aware I had to take placement test...)						
Frequency **Percent** **Row Pct** **Col Pct**	**.**	**1. More than a month before taking the test**	**2. About 1 to 4 weeks before taking the test**	**3. About 1 to 6 days before taking the test**	**4. The same day I took the test**	**5. N.A.; I did not take a placement test**	**Total**
0. No	287.851 . . .	727.987 1.05 4.43 2.24	324.325 0.47 1.98 2.68	153.205 0.22 0.93 3.20	139.06 0.20 0.85 2.76	15072.6 21.68 91.81 100.00	16417.1 23.61
1. Yes	0 . . .	31836.3 45.78 59.93 97.76	11758.4 16.91 22.14 97.32	4630.25 6.66 8.72 96.80	4893.78 7.04 9.21 97.24	0 0.00 0.00 0.00	53118.7 76.39
Total	. .	32564.3 46.83	12082.7 17.38	4783.45 6.88	5032.83 7.24	15072.6 21.68	69535.9 100.00
Frequency Missing = 287.85080332							

Table of tookpltst by Q8					
tookpltst(Flag indicating respondent took a placement test)	**Q8(q8. While in HS, completed college's placement test)**				
Frequency **Percent** **Row Pct** **Col Pct**	**.**	**1. Yes**	**2. No**	**3. I don't remember**	**Total**
0. No	691.78 . . .	2090.68 3.05 13.06 9.55	9840.64 14.34 61.45 28.19	4081.88 5.95 25.49 34.48	16013.2 23.33
1. Yes	494.467 . . .	19796.7 28.84 37.62 90.45	25070.8 36.53 47.64 71.81	7756.84 11.30 14.74 65.52	52624.3 76.67
Total	. .	21887.3 31.89	34911.4 50.86	11838.7 17.25	68637.5 100.00
Frequency Missing = 1186.2462671					

Table of tookpltst by Q9							
tookpltst(Flag indicating respondent took a placement test)	**Q9(q9. Before enrolling, prepared for this college's placement test - how)**						
Frequency **Percent** **Row Pct** **Col Pct**	**.**	**1. On my own using online/printed materials provided by the college**	**2. Participating in a brief, intensive brush-up/refresher workshop**	**3. Participating in a multi-day/-week brush-up/refresher pgm**	**4. I did not do anything to prepare for this college's placement test**	**5. N.A.; I did not take a placement test**	**Total**
0. No	650.995 . . .	207.057 0.30 1.29 1.43	98.5221 0.14 0.61 3.36	86.2272 0.12 0.54 4.47	836.027 1.21 5.21 2.39	14826.2 21.43 92.35 100.00	16054 23.21
1. Yes	0 . . .	14225.4 20.57 26.78 98.57	2836.03 4.10 5.34 96.64	1841.25 2.66 3.47 95.53	34216 49.46 64.41 97.61	0 0.00 0.00 0.00	53118.7 76.79
Total	. .	14432.5 20.86	2934.55 4.24	1927.48 2.79	35052 50.67	14826.2 21.43	69172.7 100.00
Frequency Missing = 650.99502947							

Table of tookpltst by Q10

tookpltst(Flag indicating respondent took a placement test)	Q10(q10. Results of placement test indicated I needed to take a dev ed course...)					
Frequency Percent Row Pct Col Pct	.	1. In more than one academic skill area	2. In one academic skill area	3. N.A.; My placement test results did not indicated dev ed needed	4. N.A.; I did not take a placement test	Total
0. No	3780.2 . . .	142.599 0.22 1.10 0.97	145.945 0.22 1.13 0.68	112.305 0.17 0.87 0.65	12523.9 18.96 96.90 100.00	12924.8 19.57
1. Yes	0 . . .	14506.1 21.96 27.31 99.03	21474 32.51 40.43 99.32	17138.6 25.95 32.26 99.35	0 0.00 0.00 0.00	53118.7 80.43
Total	. .	14648.7 22.18	21620 32.74	17250.9 26.12	12523.9 18.96	66043.5 100.00
Frequency Missing = 3780.1989575						

Table of tookpltst by Q11

tookpltst(Flag indicating respondent took a placement test)	Q11(q11. Because placement test indicated I needed 1+ dev ed, I was told...)					
Frequency Percent Row Pct Col Pct	.	1. Told that I was required to take >1 of these courses in 1st term	2. Told that I was required to take one of these courses in 1st term	3. Told that I should | could take one of these courses in 1st term	4. N.A.; my placement test results did not indicate I needed dev ed	5. N.A.; I did not take a placement test	Total
0. No	770.396 . . .	93.8563 0.14 0.59 0.80	112.284 0.16 0.70 0.74	75.734 0.11 0.48 0.76	98.8064 0.14 0.62 0.59	15553.9 22.52 97.61 100.00	15934.6 23.08
1. Yes	0 . . .	11657.6 16.88 21.95 99.20	15046.6 21.79 28.33 99.26	9875.14 14.30 18.59 99.24	16539.4 23.95 31.14 99.41	0 0.00 0.00 0.00	53118.7 76.92
Total	. .	11751.5 17.02	15158.8 21.95	9950.87 14.41	16638.2 24.09	15553.9 22.52	69053.3 100.00
Frequency Missing = 770.3955627						

Table of tookpltst by Q12						
tookpltst(Flag indicating respondent took a placement test)	**Q12(q12. I was told I was req'd to enroll in dev ed course in my 1st term)**					
Frequency Percent Row Pct Col Pct	**.**	**1. Did enroll in more than one of these courses**	**2. Did enroll in one of these courses**	**3. Did not enroll in any of these courses**	**4. N.A.**	**Total**
0. No	1427.78 . . .	715.733 1.05 4.68 5.45	1221.56 1.80 8.00 7.09	1244.68 1.83 8.15 15.84	12095.2 17.81 79.17 40.73	15277.2 22.49
1. Yes	479.822 . . .	12411.5 18.27 23.58 94.55	16014 23.58 30.42 92.91	6612.84 9.74 12.56 84.16	17600.6 25.92 33.44 59.27	52638.9 77.51
Total	. .	13127.3 19.33	17235.5 25.38	7857.52 11.57	29695.8 43.72	67916.1 100.00
Frequency Missing = 1907.6072959						

Table of tookpltst by Q13						
tookpltst(Flag indicating respondent took a placement test)	**Q13(q13. I enrolled in Eng course indicated ... felt course level was...)**					
Frequency Percent Row Pct Col Pct	**.**	**1. Above my skill level at that time**	**2. Appropriate for my skill level at that time**	**3. Below my skill level at that time**	**4. N.A.**	**Total**
0. No	1270.17 . . .	184.284 0.27 1.19 4.88	1536.08 2.25 9.95 5.14	373.752 0.55 2.42 5.02	13340.7 19.57 86.43 49.23	15434.8 22.64
1. Yes	373.324 . . .	3591.31 5.27 6.81 95.12	28322.8 41.54 53.70 94.86	7074.76 10.38 13.41 94.98	13756.5 20.18 26.08 50.77	52745.4 77.36
Total	. .	3775.59 5.54	29858.9 43.79	7448.51 10.92	27097.2 39.74	68180.2 100.00
Frequency Missing = 1643.4925595						

Table of tookpltst by Q14

tookpltst(Flag indicating respondent took a placement test)	Q14(q14. I enrolled in Math course indicated ... felt course level was...)					
Frequency Percent Row Pct Col Pct	.	1. Above my skill level at that time	2. Appropriate for my skill level at that time	3. Below my skill level at that time	4. N.A.	Total
0. No	1190.86 . . .	293.585 0.43 1.89 5.23	1484.41 2.18 9.57 5.38	510.834 0.75 3.29 5.41	13225.3 19.40 85.25 51.79	15514.1 22.76
1. Yes	476.458 . . .	5315.89 7.80 10.10 94.77	26094.3 38.29 49.57 94.62	8923.46 13.09 16.95 94.59	12308.7 18.06 23.38 48.21	52642.3 77.24
Total	. .	5609.47 8.23	27578.7 40.46	9434.29 13.84	25534 37.46	68156.4 100.00
Frequency Missing = 1667.313726						

Table of tookpltst by Q15

tookpltst(Flag indicating respondent took a placement test)	Q15(q15. During 1st few classes - Eng - instructor advised higher/lower level)					
Frequency Percent Row Pct Col Pct	.	1. Yes, a higher level	2. Yes, a lower level	3. No, I was not advised to enroll in a higher/lower level class	4. N.A.; I have not enrolled in Math/English course at this college	Total
0. No	948.136 . . .	637.154 0.93 4.04 9.38	179.834 0.26 1.14 6.38	7207.82 10.55 45.74 16.94	7732.04 11.31 49.07 47.82	15756.8 23.06
1. Yes	536.748 . . .	6157.59 9.01 11.71 90.62	2637.51 3.86 5.02 93.62	35349.4 51.73 67.23 83.06	8437.49 12.35 16.05 52.18	52582 76.94
Total	. .	6794.75 9.94	2817.35 4.12	42557.2 62.27	16169.5 23.66	68338.8 100.00
Frequency Missing = 1484.8846061						

Table of tookpltst by Q16

tookpltst(Flag indicating respondent took a placement test)	Q16(q16. During 1st few classes - Math - instructor advised higher/lower level)					
Frequency Percent Row Pct Col Pct	.	1. Yes, a higher level	2. Yes, a lower level	3. No, I was not advised to enroll in a higher/lower level class	4. N.A.; I have not enrolled in Math/English course at this college	Total
0. No	942.624 . . .	700.122 1.02 4.44 10.91	467.452 0.68 2.97 11.88	7282.26 10.65 46.20 17.37	7312.52 10.70 46.39 45.44	15762.4 23.05
1. Yes	509.575 . . .	5717.24 8.36 10.87 89.09	3467.3 5.07 6.59 88.12	34645.1 50.67 65.85 82.63	8779.55 12.84 16.69 54.56	52609.1 76.95
Total	. .	6417.36 9.39	3934.75 5.75	41927.3 61.32	16092.1 23.54	68371.5 100.00
Frequency Missing = 1452.1985597						

Table of tookpltst by Q17

tookpltst(Flag indicating respondent took a placement test)	Q17(q17. At this college, enrolled in col-level Eng & dev Eng at same time)			
Frequency Percent Row Pct Col Pct	.	1. Yes	2. No	Total
0. No	974.504 . . .	1562 2.32 9.93 9.75	14168.5 21.03 90.07 27.59	15730.5 23.35
1. Yes	1473.14 . . .	14452.4 21.45 27.98 90.25	37193.2 55.20 72.02 72.41	51645.6 76.65
Total	. .	16014.4 23.77	51361.7 76.23	67376.1 100.00
Frequency Missing = 2447.6454106				

Table of tookpltst by Q18				
tookpltst(Flag indicating respondent took a placement test)	**Q18(q18. At this college, enrolled in col-level Math & dev Eng at same time)**			
Frequency Percent Row Pct Col Pct	**.**	**1. Yes**	**2. No**	**Total**
0. No	950.519 . . .	1394.45 2.07 8.85 10.72	14360 21.28 91.15 26.36	15754.5 23.35
1. Yes	1389.43 . . .	11615.1 17.21 22.45 89.28	40114.2 59.44 77.55 73.64	51729.3 76.65
Total	. .	13009.5 19.28	54474.2 80.72	67483.8 100.00
Frequency Missing = 2339.9516402				

Table of tookpltst by Q19				
tookpltst(Flag indicating respondent took a placement test)	**Q19(q19. At this college, enrolled in on-campus dev math that used computer)**			
Frequency Percent Row Pct Col Pct	**.**	**1**	**2**	**Total**
0. No	1003.6 . . .	1449 2.16 9.23 8.70	14252.4 21.22 90.77 28.22	15701.4 23.38
1. Yes	1655.31 . . .	15213.1 22.65 29.56 91.30	36250.3 53.97 70.44 71.78	51463.4 76.62
Total	. .	16662.1 24.81	50502.7 75.19	67164.8 100.00
Frequency Missing = 2658.9120816				

Table of tookpltst by Q20					
tookpltst(Flag indicating respondent took a placement test)	Q20(q20. In what range was overall HS GPA)				
Frequency Percent Row Pct Col Pct	.	1. A	2. B	3. C	4. D or lower	Total
0. No	876.303 . . .	5428.71 7.99 34.30 32.81	7544.11 11.10 47.66 21.99	2607.2 3.84 16.47 17.02	248.657 0.37 1.57 13.83	15828.7 23.29
1. Yes	974.977 . . .	11119.1 16.36 21.32 67.19	26762.3 39.37 51.32 78.01	12713 18.70 24.38 82.98	1549.33 2.28 2.97 86.17	52143.7 76.71
Total	. .	16547.8 24.34	34306.4 50.47	15320.2 22.54	1797.98 2.65	67972.4 100.00
Frequency Missing = 1851.2797535						

Table of Q6 by ENRLMENT			
Q6(q6. Before I could register, was req'd to take placement test)	**ENRLMENT(Thinking about this current academic term, how would you characterize your enrollment at this college?)**		
Frequency Percent Row Pct Col Pct	**Less than full-time**	**Full-time**	**Total**
1. Yes, and I took it	13360 19.04 24.96 73.34	40170 57.24 75.04 77.30	53530 76.27
2. Yes, it was required, but I did not take it	368 0.52 26.74 2.02	1008 1.44 73.26 1.94	1376 1.96
3. No, it was not required	4488 6.39 29.38 24.64	10787 15.37 70.62 20.76	15275 21.77
Total	18216 25.96	51965 74.04	70181 100.00

Statistics for Table of Q6 by ENRLMENT

Statistic	DF	Value	Prob
Chi-Square	2	121.4416	<.0001
Likelihood Ratio Chi-Square	2	119.2049	<.0001
Mantel-Haenszel Chi-Square	1	121.3139	<.0001
Phi Coefficient		0.0416	
Contingency Coefficient		0.0416	
Cramer's V		0.0416	

Sample Size = 70181

Table of Q6 by SEX				
Q6(q6. Before I could register, was req'd to take placement test)	**SEX(Sex)**			
Frequency **Percent** **Row Pct** **Col Pct**	**.**	**Male**	**Female**	**Total**
1. Yes, and I took it	527.777 . . .	20692.5 29.90 39.83 74.18	31260.2 45.18 60.17 75.69	51952.7 75.08
2. Yes, it was required, but I did not take it	10.7653 . . .	484.021 0.70 35.03 1.74	897.653 1.30 64.97 2.17	1381.67 2.00
3. No, it was not required	89.528 . . .	6718.95 9.71 42.36 24.09	9142.36 13.21 57.64 22.14	15861.3 22.92
Total	. .	27895.5 40.31	41300.2 59.69	69195.6 100.00
Frequency Missing = 628.07063121				

Statistics for Table of Q6 by SEX

Statistic	DF	Value	Prob
Chi-Square	2	48.7035	<.0001
Likelihood Ratio Chi-Square	2	48.8325	<.0001
Mantel-Haenszel Chi-Square	1	28.1742	<.0001
Phi Coefficient		0.0265	
Contingency Coefficient		0.0265	
Cramer's V		0.0265	

Effective Sample Size = 69195.6341
Frequency Missing = 628.07063121

Table of Q6 by stud_age_class				
Q6(q6. Before I could register, was req'd to take placement test)	stud_age_class(Age: 1 = Trad Age (18 - 24), 2 = Non-Trad Age (25+))			
Frequency Percent Row Pct Col Pct	.	Traditional-Age	Nontraditional-Age	Total
1. Yes, and I took it	580.464 . . .	34954.8 50.59 67.35 75.91	16945.1 24.52 32.65 73.51	51900 75.11
2. Yes, it was required, but I did not take it	17.3578 . . .	968.392 1.40 70.42 2.10	406.69 0.59 29.58 1.76	1375.08 1.99
3. No, it was not required	125.454 . . .	10125 14.65 63.98 21.99	5700.41 8.25 36.02 24.73	15825.4 22.90
Total	. .	46048.2 66.64	23052.2 33.36	69100.4 100.00
Frequency Missing = 723.27532918				

Statistics for Table of Q6 by stud_age_class

Statistic	DF	Value	Prob
Chi-Square	2	71.0349	<.0001
Likelihood Ratio Chi-Square	2	70.6297	<.0001
Mantel-Haenszel Chi-Square	1	57.4090	<.0001
Phi Coefficient		0.0321	
Contingency Coefficient		0.0320	
Cramer's V		0.0321	

Effective Sample Size = 69100.429402
Frequency Missing = 723.27532918

Table of Q6 by RERACE

Q6(q6. Before I could register, was req'd to take placement test)		RERACE(What is your racial identification)							
Frequency Percent Row Pct Col Pct	.	American Indian or other Native American	Asian, Asian American or Pacific Islander	Native Hawaiian	Black or African American, Non-Hispanic	White, Non-Hispanic	Hispanic, Latino, Spanish	Other	Total
1. Yes, and I took it	1226.74 . . .	954.965 1.41 1.86 76.96	2089.21 3.09 4.08 75.81	50.5859 0.07 0.10 71.75	6502.65 9.62 12.69 79.33	31095.5 46.02 60.67 73.73	8400.14 12.43 16.39 81.02	2160.67 3.20 4.22 78.31	51253.7 75.86
2. Yes, it was required, but I did not take it	36.7496 . . .	35.8179 0.05 2.64 2.89	77.4961 0.11 5.72 2.81	0.75955 0.00 0.06 1.08	159.729 0.24 11.78 1.95	834.978 1.24 61.59 1.98	193.14 0.29 14.25 1.86	53.7682 0.08 3.97 1.95	1355.69 2.01
3. No, it was not required	992.516 . . .	250.041 0.37 1.67 20.15	589.042 0.87 3.94 21.38	19.1564 0.03 0.13 27.17	1535.06 2.27 10.26 18.73	10245.9 15.16 68.50 24.29	1774.38 2.63 11.86 17.11	544.78 0.81 3.64 19.74	14958.3 22.14
Total	. .	1240.82 1.84	2755.75 4.08	70.5018 0.10	8197.44 12.13	42176.3 62.42	10367.7 15.34	2759.22 4.08	67567.7 100.00
Frequency Missing = 2256.0108532									

Statistics for Table of Q6 by RERACE

Statistic	DF	Value	Prob
Chi-Square	12	353.2764	<.0001
Likelihood Ratio Chi-Square	12	361.0899	<.0001
Mantel-Haenszel Chi-Square	1	6.1148	0.0134
Phi Coefficient		0.0723	
Contingency Coefficient		0.0721	
Cramer's V		0.0511	

Effective Sample Size = 67567.693878
Frequency Missing = 2256.0108532

Table of Q6 by developmental				
Q6(q6. Before I could register, was req'd to take placement test)	developmental(Developmental: 1 = Non-Developmental, 2 = Developmental)			
Frequency Percent Row Pct Col Pct	.	Non-Developmental	Developmental	Total
1. Yes, and I took it	1725.12 . . .	22271.8 32.91 43.88 64.42	28483.5 42.09 56.12 86.03	50755.3 74.99
2. Yes, it was required, but I did not take it	44.5429 . . .	873.277 1.29 64.79 2.53	474.619 0.70 35.21 1.43	1347.9 1.99
3. No, it was not required	373.573 . . .	11426.8 16.88 73.36 33.05	4150.42 6.13 26.64 12.54	15577.3 23.02
Total	. .	34571.9 51.08	33108.5 48.92	67680.5 100.00
Frequency Missing = 2143.2390184				

Statistics for Table of Q6 by developmental

Statistic	DF	Value	Prob
Chi-Square	2	4247.4280	<.0001
Likelihood Ratio Chi-Square	2	4384.9905	<.0001
Mantel-Haenszel Chi-Square	1	4227.3962	<.0001
Phi Coefficient		0.2505	
Contingency Coefficient		0.2430	
Cramer's V		0.2505	

Effective Sample Size = 67680.465713
Frequency Missing = 2143.2390184

Table of Q6 by generation				
Q6(q6. Before I could register, was req'd to take placement test)	generation(1st Generation: 1 = 1st Gen, 2 = Not 1st Gen)			
Frequency Percent Row Pct Col Pct	.	First-Generation	Not First-Generation	Total
1. Yes, and I took it	11809.1 . . .	14223.1 25.75 34.97 79.10	26448.3 47.88 65.03 70.99	40671.3 73.63
2. Yes, it was required, but I did not take it	242.673 . . .	332.774 0.60 28.94 1.85	816.992 1.48 71.06 2.19	1149.77 2.08
3. No, it was not required	2537.74 . . .	3424.47 6.20 25.53 19.05	9988.63 18.08 74.47 26.81	13413.1 24.28
Total	. .	17980.3 32.55	37253.9 67.45	55234.2 100.00
Frequency Missing = 14589.517927				

Statistics for Table of Q6 by generation

Statistic	DF	Value	Prob
Chi-Square	2	416.3536	<.0001
Likelihood Ratio Chi-Square	2	428.3673	<.0001
Mantel-Haenszel Chi-Square	1	415.4750	<.0001
Phi Coefficient		0.0868	
Contingency Coefficient		0.0865	
Cramer's V		0.0868	

Effective Sample Size = 55234.186805
Frequency Missing = 14589.517927

WARNING: 21% of the data are missing.

Table of Q6 by credit				
Q6(q6. Before I could register, was req'd to take placement test)	**credit(Credit Hrs Earned: 1 = 0-29 hrs, 2 = 30+ hrs)**			
Frequency **Percent** **Row Pct** **Col Pct**	**.**	**0 to 29 Credits**	**30+ Credits**	**Total**
1. Yes, and I took it	955.907 . . .	31807.7 46.37 61.73 72.77	19716.8 28.74 38.27 79.23	51524.5 75.11
2. Yes, it was required, but I did not take it	21.4298 . . .	964.573 1.41 70.35 2.21	406.436 0.59 29.65 1.63	1371.01 2.00
3. No, it was not required	252.148 . . .	10936.4 15.94 69.66 25.02	4762.26 6.94 30.34 19.14	15698.7 22.89
Total	. .	43708.7 63.72	24885.5 36.28	68594.2 100.00
Frequency Missing = 1229.4846036				

Statistics for Table of Q6 by credit

Statistic	DF	Value	Prob
Chi-Square	2	354.0699	<.0001
Likelihood Ratio Chi-Square	2	360.7374	<.0001
Mantel-Haenszel Chi-Square	1	341.5640	<.0001
Phi Coefficient		0.0718	
Contingency Coefficient		0.0717	
Cramer's V		0.0718	

Effective Sample Size = 68594.220128
Frequency Missing = 1229.4846036

Table of Q6 by Q20						
Q6(q6. Before I could register, was req'd to take placement test)	**Q20(q20. In what range was overall HS GPA)**					
Frequency **Percent** **Row Pct** **Col Pct**	**.**	**1. A**	**2. B**	**3. C**	**4. D or lower**	**Total**
1. Yes, and I took it	1396.18 . . .	10863.2 15.98 21.27 65.65	26294.6 38.68 51.47 76.65	12428.3 18.28 24.33 81.12	1498.14 2.20 2.93 83.32	51084.2 75.15
2. Yes, it was required, but I did not take it	61.3648 . . .	461.457 0.68 34.67 2.79	590.661 0.87 44.37 1.72	253.7 0.37 19.06 1.66	25.2566 0.04 1.90 1.40	1331.07 1.96
3. No, it was not required	393.732 . . .	5223.11 7.68 33.57 31.56	7421.12 10.92 47.70 21.63	2638.28 3.88 16.96 17.22	274.589 0.40 1.77 15.27	15557.1 22.89
Total	. .	16547.8 24.34	34306.4 50.47	15320.2 22.54	1797.98 2.65	67972.4 100.00
Frequency Missing = 1851.2797535						

Statistics for Table of Q6 by Q20

Statistic	DF	Value	Prob
Chi-Square	6	1204.1766	<.0001
Likelihood Ratio Chi-Square	6	1173.7341	<.0001
Mantel-Haenszel Chi-Square	1	1041.8233	<.0001
Phi Coefficient		0.1331	
Contingency Coefficient		0.1319	
Cramer's V		0.0941	

Effective Sample Size = 67972.424978
Frequency Missing = 1851.2797535

Table of Q6 by q20_gdb				
Q6(q6. Before I could register, was req'd to take placement test)		**q20_gdb(q20 dich.. In what range was overall HS GPA)**		
Frequency Percent Row Pct Col Pct	**.**	**0. HS GPA: C or lower**	**1. HS GPA: B or better**	**Total**
1. Yes, and I took it	1396.18 . . .	13926.4 20.49 27.26 81.35	37157.8 54.67 72.74 73.07	51084.2 75.15
2. Yes, it was required, but I did not take it	61.3648 . . .	278.956 0.41 20.96 1.63	1052.12 1.55 79.04 2.07	1331.07 1.96
3. No, it was not required	393.732 . . .	2912.87 4.29 18.72 17.02	12644.2 18.60 81.28 24.86	15557.1 22.89
Total	. .	17118.2 25.18	50854.2 74.82	67972.4 100.00
Frequency Missing = 1851.2797535				

Statistics for Table of Q6 by q20_gdb

Statistic	DF	Value	Prob
Chi-Square	2	474.2466	<.0001
Likelihood Ratio Chi-Square	2	495.7340	<.0001
Mantel-Haenszel Chi-Square	1	471.3922	<.0001
Phi Coefficient		0.0835	
Contingency Coefficient		0.0832	
Cramer's V		0.0835	

Effective Sample Size = 67972.424978
Frequency Missing = 1851.2797535

Table of Q6 by q20_gdc				
Q6(q6. Before I could register, was req'd to take placement test)		**q20_gdc(q20 dich. In what range was overall HS GPA)**		
Frequency Percent Row Pct Col Pct	**.**	**0. HS GPA: D or lower**	**1. HS GPA: C or better**	**Total**
1. Yes, and I took it	1396.18 . . .	1498.14 2.20 2.93 83.32	49586.1 72.95 97.07 74.93	51084.2 75.15
2. Yes, it was required, but I did not take it	61.3648 . . .	25.2566 0.04 1.90 1.40	1305.82 1.92 98.10 1.97	1331.07 1.96
3. No, it was not required	393.732 . . .	274.589 0.40 1.77 15.27	15282.5 22.48 98.23 23.09	15557.1 22.89
Total	. .	1797.98 2.65	66174.4 97.35	67972.4 100.00
Frequency Missing = 1851.2797535				

Statistics for Table of Q6 by q20_gdc

Statistic	DF	Value	Prob
Chi-Square	2	66.0840	<.0001
Likelihood Ratio Chi-Square	2	71.9524	<.0001
Mantel-Haenszel Chi-Square	1	65.0584	<.0001
Phi Coefficient		0.0312	
Contingency Coefficient		0.0312	
Cramer's V		0.0312	

Effective Sample Size = 67972.424978
Frequency Missing = 1851.2797535

Table of q7_r by ENRLMENT			
q7_r(q7 dich. I became aware I had to take placement test...)	ENRLMENT(Thinking about this current academic term, how would you characterize your enrollment at this college?)		
Frequency Percent Row Pct Col Pct	Less than full-time	Full-time	Total
.	4319 . . .	10361 . . .	. .
0. Less than a month before taking the test	5804 10.46 26.81 41.76	15844 28.55 73.19 38.08	21648 39.00
1. More than a month before taking the test	8093 14.58 23.91 58.24	25760 46.41 76.09 61.92	33853 61.00
Total	13897 25.04	41604 74.96	55501 100.00
Frequency Missing = 14680			

Statistics for Table of q7_r by ENRLMENT

Statistic	DF	Value	Prob
Chi-Square	1	59.3471	<.0001
Likelihood Ratio Chi-Square	1	59.0399	<.0001
Continuity Adj. Chi-Square	1	59.1924	<.0001
Mantel-Haenszel Chi-Square	1	59.3460	<.0001
Phi Coefficient		0.0327	
Contingency Coefficient		0.0327	
Cramer's V		0.0327	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	5804
Left-sided Pr <= F	1.0000
Right-sided Pr >= F	<.0001
Table Probability (P)	<.0001
Two-sided Pr <= P	<.0001

Effective Sample Size = 55501
Frequency Missing = 14680

WARNING: 21% of the data are missing.

Table of q7_r by SEX				
q7_r(q7 dich. I became aware I had to take placement test...)	**SEX(Sex)**			
Frequency Percent Row Pct Col Pct	**.**	**Male**	**Female**	**Total**
.	83.6589 . . .	6079.27 . . .	9197.48 . . .	. .
0. Less than a month before taking the test	225.683 . . .	9261.01 17.18 42.73 42.45	12412.3 23.02 57.27 38.66	21673.3 40.20
1. More than a month before taking the test	318.729 . . .	12555.2 23.29 38.94 57.55	19690.4 36.52 61.06 61.34	32245.6 59.80
Total	. .	21816.2 40.46	32102.7 59.54	53918.9 100.00
Frequency Missing = 15904.814908				

Statistics for Table of q7_r by SEX

Statistic	DF	Value	Prob
Chi-Square	1	77.4449	<.0001
Likelihood Ratio Chi-Square	1	77.3173	<.0001
Continuity Adj. Chi-Square	1	77.2875	<.0001
Mantel-Haenszel Chi-Square	1	77.4435	<.0001
Phi Coefficient		0.0379	
Contingency Coefficient		0.0379	
Cramer's V		0.0379	

Effective Sample Size = 53918.889824
Frequency Missing = 15904.814908

WARNING: 23% of the data are missing.

q7_r (q7 dich. I became aware I had to take placement test...)	stud_age_class(Age: 1 = Trad Age (18 - 24), 2 = Non-Trad Age (25+))			
Table of q7_r by stud_age_class				
Frequency Percent Row Pct Col Pct	**.**	**Traditional-Age**	**Nontraditional-Age**	**Total**
.	122.78 . . .	9683.15 . . .	5554.47 . . .	. .
0. Less than a month before taking the test	257.913 . . .	13550.6 25.16 62.62 37.26	8090.46 15.02 37.38 46.24	21641.1 40.18
1. More than a month before taking the test	342.583 . . .	22814.4 42.36 70.80 62.74	9407.29 17.47 29.20 53.76	32221.7 59.82
Total	. .	36365.1 67.51	17497.7 32.49	53862.8 100.00
Frequency Missing = 15960.898902				

Statistics for Table of q7_r by stud_age_class

Statistic	DF	Value	Prob
Chi-Square	1	395.8588	<.0001
Likelihood Ratio Chi-Square	1	393.3108	<.0001
Continuity Adj. Chi-Square	1	395.4855	<.0001
Mantel-Haenszel Chi-Square	1	395.8514	<.0001
Phi Coefficient		-0.0857	
Contingency Coefficient		0.0854	
Cramer's V		-0.0857	

Effective Sample Size = 53862.805829
Frequency Missing = 15960.898902

WARNING: 23% of the data are missing.

Table of q7_r by RERACE									
q7_r(q7 dich. I became aware I had to take placement test...)		**RERACE(What is your racial identification)**							
Frequency Percent Row Pct Col Pct	**.**	**American Indian or other Native American**	**Asian, Asian American or Pacific Islander**	**Native Hawaiian**	**Black or African American, Non-Hispanic**	**White, Non-Hispanic**	**Hispanic, Latino, Spanish**	**Other**	**Total**
.	928.295 . . .	232.076 . . .	566.825 . . .	9.73073 . . .	1372.89 . . .	10078.1 . . .	1667.31 . . .	505.197 . . .	. .
0. Less than a month before taking the test	606.572 . . .	458.401 0.86 2.15 45.44	944.697 1.78 4.44 43.16	29.5928 0.06 0.14 48.70	2850.72 5.36 13.39 41.77	12716.2 23.93 59.72 39.62	3296.86 6.20 15.48 37.89	995.962 1.87 4.68 44.19	21292.4 40.07
1. More than a month before taking the test	721.144 . . .	550.346 1.04 1.73 54.56	1244.23 2.34 3.91 56.84	31.1783 0.06 0.10 51.30	3973.83 7.48 12.48 58.23	19382 36.48 60.87 60.38	5403.5 10.17 16.97 62.11	1258.06 2.37 3.95 55.81	31843.2 59.93
Total	. .	1008.75 1.90	2188.93 4.12	60.7711 0.11	6824.55 12.84	32098.2 60.41	8700.36 16.37	2254.02 4.24	53135.6 100.00
Frequency Missing = 16688.11879									

Statistics for Table of q7_r by RERACE

Statistic	DF	Value	Prob
Chi-Square	6	66.7435	<.0001
Likelihood Ratio Chi-Square	6	66.4074	<.0001
Mantel-Haenszel Chi-Square	1	20.8936	<.0001
Phi Coefficient		0.0354	
Contingency Coefficient		0.0354	
Cramer's V		0.0354	

Effective Sample Size = 53135.585942
Frequency Missing = 16688.11879

WARNING: 24% of the data are missing.

Table of q7_r by developmental				
q7_r(q7 dich. I became aware I had to take placement test...)	**developmental(Developmental: 1 = Non-Developmental, 2 = Developmental)**			
Frequency Percent Row Pct Col Pct	**.**	**Non-Developmental**	**Developmental**	**Total**
.	339.976 . . .	11426.5 . . .	3593.92 . . .	. .
0. Less than a month before taking the test	768.651 . . .	9103.47 17.29 43.08 39.33	12026.9 22.84 56.92 40.75	21130.3 40.13
1. More than a month before taking the test	1034.61 . . .	14041.9 26.67 44.54 60.67	17487.8 33.21 55.46 59.25	31529.7 59.87
Total	. .	23145.4 43.95	29514.6 56.05	52660 100.00
Frequency Missing = 17163.66646				

Statistics for Table of q7_r by developmental

Statistic	DF	Value	Prob
Chi-Square	1	10.8448	0.0010
Likelihood Ratio Chi-Square	1	10.8504	0.0010
Continuity Adj. Chi-Square	1	10.7859	0.0010
Mantel-Haenszel Chi-Square	1	10.8446	0.0010
Phi Coefficient		-0.0144	
Contingency Coefficient		0.0143	
Cramer's V		-0.0144	

Effective Sample Size = 52660.038271
Frequency Missing = 17163.66646

WARNING: 25% of the data are missing.

Table of q7_r by generation				
q7_r(q7 dich. I became aware I had to take placement test...)	**generation(1st Generation: 1 = 1st Gen, 2 = Not 1st Gen)**			
Frequency **Percent** **Row Pct** **Col Pct**	**.**	**First-Generation**	**Not First-Generation**	**Total**
.	2240.87 . . .	3305.83 . . .	9813.71 . . .	. .
0. Less than a month before taking the test	5012.8 . . .	5772.41 13.71 34.18 39.34	11113.8 26.39 65.82 40.50	16886.2 40.10
1. More than a month before taking the test	7335.84 . . .	8902.06 21.14 35.29 60.66	16326.4 38.77 64.71 59.50	25228.5 59.90
Total	. .	14674.5 34.84	27440.2 65.16	42114.7 100.00
Frequency Missing = 27709.049751				

Statistics for Table of q7_r by generation

Statistic	DF	Value	Prob
Chi-Square	1	5.4062	0.0201
Likelihood Ratio Chi-Square	1	5.4117	0.0200
Continuity Adj. Chi-Square	1	5.3578	0.0206
Mantel-Haenszel Chi-Square	1	5.4061	0.0201
Phi Coefficient		-0.0113	
Contingency Coefficient		0.0113	
Cramer's V		-0.0113	

Effective Sample Size = 42114.654981
Frequency Missing = 27709.049751

WARNING: 40% of the data are missing.

Table of q7_r by credit				
q7_r(q7 dich. I became aware I had to take placement test...)	credit(Credit Hrs Earned: 1 = 0-29 hrs, 2 = 30+ hrs)			
Frequency Percent Row Pct Col Pct	.	0 to 29 Credits	30+ Credits	Total
.	249.046	10575.8	4535.53	. .
0. Less than a month before taking the test	431.695 . . .	13327.2 24.92 62.08 40.22	8140.08 15.22 37.92 40.00	21467.3 40.14
1. More than a month before taking the test	548.744 . . .	19805.7 37.03 61.86 59.78	12209.9 22.83 38.14 60.00	32015.6 59.86
Total	. .	33132.9 61.95	20350 38.05	53482.9 100.00
Frequency Missing = 16340.842157				

Statistics for Table of q7_r by credit

Statistic	DF	Value	Prob
Chi-Square	1	0.2611	0.6094
Likelihood Ratio Chi-Square	1	0.2612	0.6093
Continuity Adj. Chi-Square	1	0.2519	0.6157
Mantel-Haenszel Chi-Square	1	0.2611	0.6094
Phi Coefficient		0.0022	
Contingency Coefficient		0.0022	
Cramer's V		0.0022	

Effective Sample Size = 53482.862575
Frequency Missing = 16340.842157

WARNING: 23% of the data are missing.

Table of q7_r by tookpltst			
q7_r(q7 dich. I became aware I had to take placement test...)	**tookpltst(Flag indicating respondent took a placement test)**		
Frequency Percent Row Pct Col Pct	**0. No**	**1. Yes**	**Total**
.	15360.4 . . .	0 . . .	. .
0. Less than a month before taking the test	616.59 1.13 2.82 45.86	21282.4 39.08 97.18 40.07	21899 40.21
1. More than a month before taking the test	727.987 1.34 2.24 54.14	31836.3 58.45 97.76 59.93	32564.3 59.79
Total	1344.58 2.47	53118.7 97.53	54463.3 100.00
Frequency Missing = 15360.403163			

Statistics for Table of q7_r by tookpltst

Statistic	DF	Value	Prob
Chi-Square	1	18.2979	<.0001
Likelihood Ratio Chi-Square	1	18.0681	<.0001
Continuity Adj. Chi-Square	1	18.0578	<.0001
Mantel-Haenszel Chi-Square	1	18.2976	<.0001
Phi Coefficient		0.0183	
Contingency Coefficient		0.0183	
Cramer's V		0.0183	

Effective Sample Size = 54463.301568
Frequency Missing = 15360.403163

WARNING: 22% of the data are missing.

Table of Q8 by ENRLMENT			
Q8(q8. While in HS, completed college's placement test)	**ENRLMENT(Thinking about this current academic term, how would you characterize your enrollment at this college?)**		
Frequency **Percent** **Row Pct** **Col Pct**	**Less than full-time**	**Full-time**	**Total**
.	340 . . .	772 . . .	. .
1. Yes	5169 7.48 22.25 28.92	18061 26.15 77.75 35.28	23230 33.63
2. No	9410 13.62 27.22 52.64	25165 36.43 72.78 49.16	34575 50.06
3. I don't remember	3297 4.77 29.27 18.44	7967 11.53 70.73 15.56	11264 16.31
Total	17876 25.88	51193 74.12	69069 100.00
Frequency Missing = 1112			

Statistics for Table of Q8 by ENRLMENT

Statistic	DF	Value	Prob
Chi-Square	2	259.1159	<.0001
Likelihood Ratio Chi-Square	2	262.2853	<.0001
Mantel-Haenszel Chi-Square	1	241.2684	<.0001
Phi Coefficient		0.0612	
Contingency Coefficient		0.0611	
Cramer's V		0.0612	

Effective Sample Size = 69069
Frequency Missing = 1112

Table of Q8 by SEX

Q8(q8. While in HS, completed college's placement test)	SEX(Sex)			
Frequency **Percent** **Row Pct** **Col Pct**	**.**	**Male**	**Female**	**Total**
.	20.1892 . . .	477.259 . . .	688.798 . . .	. .
1. Yes	173.868 . . .	8442.63 12.41 38.88 30.79	13270.8 19.51 61.12 32.68	21713.5 31.92
2. No	328.719 . . .	14225.5 20.91 41.13 51.88	20357.2 29.92 58.87 50.13	34582.7 50.83
3. I don't remember	105.295 . . .	4750.07 6.98 40.48 17.32	6983.36 10.27 59.52 17.20	11733.4 17.25
Total	. .	27418.2 40.30	40611.4 59.70	68029.6 100.00
Frequency Missing = 1794.1276924				

Statistics for Table of Q8 by SEX

Statistic	DF	Value	Prob
Chi-Square	2	28.3266	<.0001
Likelihood Ratio Chi-Square	2	28.3775	<.0001
Mantel-Haenszel Chi-Square	1	14.1291	0.0002
Phi Coefficient		0.0204	
Contingency Coefficient		0.0204	
Cramer's V		0.0204	

Effective Sample Size = 68029.577039
Frequency Missing = 1794.1276924

Table of Q8 by stud_age_class				
Q8(q8. While in HS, completed college's placement test)	**stud_age_class(Age: 1 = Trad Age (18 - 24), 2 = Non-Trad Age (25+))**			
Frequency Percent Row Pct Col Pct	**.**	**Traditional-Age**	**Nontraditional-Age**	**Total**
.	26.2786 . . .	687.169 . . .	472.799 . . .	. .
1. Yes	182.806 . . .	17960.9 26.44 82.75 39.60	3743.66 5.51 17.25 16.58	21704.5 31.95
2. No	384.549 . . .	20817.3 30.64 60.29 45.89	13709.6 20.18 39.71 60.72	34526.9 50.82
3. I don't remember	129.642 . . .	6582.91 9.69 56.22 14.51	5126.16 7.55 43.78 22.70	11709.1 17.23
Total	. .	45361 66.77	22579.4 33.23	67940.5 100.00
Frequency Missing = 1883.2430259				

Statistics for Table of Q8 by stud_age_class

Statistic	DF	Value	Prob
Chi-Square	2	3738.4502	<.0001
Likelihood Ratio Chi-Square	2	3995.6475	<.0001
Mantel-Haenszel Chi-Square	1	3122.4010	<.0001
Phi Coefficient		0.2346	
Contingency Coefficient		0.2284	
Cramer's V		0.2346	

Effective Sample Size = 67940.461706
Frequency Missing = 1883.2430259

Table of Q8 by RERACE

Q8(q8. While in HS, completed college's placement test)		RERACE(What is your racial identification)							
Frequency Percent Row Pct Col Pct	.	American Indian or other Native American	Asian, Asian American or Pacific Islander	Native Hawaiian	Black or African American, Non-Hispanic	White, Non-Hispanic	Hispanic, Latino, Spanish	Other	Total
.	62.7815 . . .	23.7402 . . .	68.8014 . . .	1.08352 . . .	200.085 . . .	583.631 . . .	194.413 . . .	51.7112 . . .	. .
1. Yes	392.376 . . .	403.962 0.61 1.88 33.19	758.065 1.14 3.53 28.21	12.3109 0.02 0.06 17.73	2289.13 3.45 10.65 28.62	13694.2 20.61 63.71 32.92	3506.14 5.28 16.31 34.46	831.128 1.25 3.87 30.70	21495 32.35
2. No	1358.43 . . .	590.384 0.89 1.76 48.51	1429.24 2.15 4.26 53.19	36.2574 0.05 0.11 52.23	4251.86 6.40 12.67 53.17	20913.5 31.48 62.33 50.28	4960.74 7.47 14.78 48.76	1370.97 2.06 4.09 50.64	33553 50.50
3. I don't remember	442.42 . . .	222.738 0.34 1.95 18.30	499.647 0.75 4.38 18.60	20.85 0.03 0.18 30.04	1456.37 2.19 12.78 18.21	6984.92 10.51 61.29 16.79	1706.37 2.57 14.97 16.77	505.405 0.76 4.43 18.67	11396.3 17.15
Total	. .	1217.08 1.83	2686.95 4.04	69.4183 0.10	7997.36 12.04	41592.7 62.60	10173.2 15.31	2707.5 4.07	66444.2 100.00
Frequency Missing = 3379.4756004									

Statistics for Table of Q8 by RERACE

Statistic	DF	Value	Prob
Chi-Square	12	120.3069	<.0001
Likelihood Ratio Chi-Square	12	121.2742	<.0001
Mantel-Haenszel Chi-Square	1	27.3844	<.0001
Phi Coefficient		0.0426	
Contingency Coefficient		0.0425	
Cramer's V		0.0301	

Effective Sample Size = 66444.229131
Frequency Missing = 3379.4756004

Table of Q8 by developmental

Q8(q8. While in HS, completed college's placement test)	developmental(Developmental: 1 = Non-Developmental, 2 = Developmental)			
Frequency Percent Row Pct Col Pct	.	Non-Developmental	Developmental	Total
.	64.4915 . . .	539.378 . . .	582.377 . . .	. .
1. Yes	606.609 . . .	10315.3 15.50 48.47 30.31	10965.5 16.47 51.53 33.71	21280.7 31.97
2. No	1077.88 . . .	17772.2 26.70 52.53 52.22	16061.3 24.13 47.47 49.38	33833.5 50.83
3. I don't remember	394.261 . . .	5945.05 8.93 51.95 17.47	5499.41 8.26 48.05 16.91	11444.5 17.19
Total	. .	34032.5 51.13	32526.2 48.87	66558.7 100.00
Frequency Missing = 3264.9937384				

Statistics for Table of Q8 by developmental

Statistic	DF	Value	Prob
Chi-Square	2	89.6887	<.0001
Likelihood Ratio Chi-Square	2	89.6842	<.0001
Mantel-Haenszel Chi-Square	1	55.6139	<.0001
Phi Coefficient		0.0367	
Contingency Coefficient		0.0367	
Cramer's V		0.0367	

Effective Sample Size = 66558.710993
Frequency Missing = 3264.9937384

Table of Q8 by generation

Q8(q8. While in HS, completed college's placement test)	generation(1st Generation: 1 = 1st Gen, 2 = Not 1st Gen)			
Frequency Percent Row Pct Col Pct	.	First-Generation	Not First-Generation	Total
.	281.254 . . .	365.043 . . .	539.949 . . .	. .
1. Yes	4785.68 . . .	5111.64 9.41 29.89 29.02	11990 22.07 70.11 32.66	17101.7 31.48
2. No	6855.57 . . .	9393.64 17.29 33.48 53.33	18662.2 34.35 66.52 50.83	28055.8 51.64
3. I don't remember	2667.01 . . .	3109.98 5.72 33.91 17.66	6061.73 11.16 66.09 16.51	9171.71 16.88
Total	. .	17615.3 32.42	36713.9 67.58	54329.2 100.00
Frequency Missing = 15494.510014				

Statistics for Table of Q8 by generation

Statistic	DF	Value	Prob
Chi-Square	2	73.6828	<.0001
Likelihood Ratio Chi-Square	2	74.2511	<.0001
Mantel-Haenszel Chi-Square	1	58.9301	<.0001
Phi Coefficient		0.0368	
Contingency Coefficient		0.0368	
Cramer's V		0.0368	

Effective Sample Size = 54329.194718
Frequency Missing = 15494.510014

WARNING: 22% of the data are missing.

Table of Q8 by credit				
Q8(q8. While in HS, completed college's placement test)	**credit(Credit Hrs Earned: 1 = 0-29 hrs, 2 = 30+ hrs)**			
Frequency **Percent** **Row Pct** **Col Pct**	**.**	**0 to 29 Credits**	**30+ Credits**	**Total**
.	48.8676 . . .	760.144 . . .	377.235 . . .	. .
1. Yes	344.513 . . .	13479 19.98 62.57 31.38	8063.79 11.95 37.43 32.90	21542.8 31.94
2. No	603.771 . . .	22042.2 32.68 64.25 51.32	12265.5 18.18 35.75 50.05	34307.6 50.86
3. I don't remember	232.333 . . .	7427.38 11.01 63.99 17.29	4179.01 6.20 36.01 17.05	11606.4 17.21
Total	. .	42948.6 63.67	24508.3 36.33	67456.8 100.00
Frequency Missing = 2366.8632272				

Statistics for Table of Q8 by credit

Statistic	DF	Value	Prob
Chi-Square	2	16.7896	0.0002
Likelihood Ratio Chi-Square	2	16.7543	0.0002
Mantel-Haenszel Chi-Square	1	10.2955	0.0013
Phi Coefficient		0.0158	
Contingency Coefficient		0.0158	
Cramer's V		0.0158	

Effective Sample Size = 67456.841504
Frequency Missing = 2366.8632272

Table of Q8 by Q20						
Q8(q8. While in HS, completed college's placement test)	**Q20(q20. In what range was overall HS GPA)**					
Frequency **Percent** **Row Pct** **Col Pct**	**.**	**1. A**	**2. B**	**3. C**	**4. D or lower**	**Total**
.	457.115 . . .	163.598 . . .	339.274 . . .	182.343 . . .	43.9158 . . .	. .
1. Yes	372.876 . . .	5832.1 8.67 27.11 35.60	11249.1 16.73 52.29 33.12	4101.76 6.10 19.07 27.10	331.489 0.49 1.54 18.90	21514.5 31.99
2. No	779.904 . . .	8113.81 12.07 23.77 49.52	16780.1 24.95 49.16 49.40	8092.27 12.03 23.71 53.46	1145.3 1.70 3.36 65.29	34131.5 50.76
3. I don't remember	241.384 . . .	2438.29 3.63 21.02 14.88	5937.91 8.83 51.20 17.48	2943.87 4.38 25.38 19.45	277.275 0.41 2.39 15.81	11597.3 17.25
Total	. .	16384.2 24.37	33967.1 50.51	15137.9 22.51	1754.07 2.61	67243.3 100.00
Frequency Missing = 2580.4107092						

Statistics for Table of Q8 by Q20

Statistic	DF	Value	Prob
Chi-Square	6	498.1741	<.0001
Likelihood Ratio Chi-Square	6	512.9246	<.0001
Mantel-Haenszel Chi-Square	1	334.5734	<.0001
Phi Coefficient		0.0861	
Contingency Coefficient		0.0858	
Cramer's V		0.0609	

Effective Sample Size = 67243.294022
Frequency Missing = 2580.4107092

Table of Q8 by tookpltst			
Q8(q8. While in HS, completed college's placement test)	**tookpltst(Flag indicating respondent took a placement test)**		
Frequency **Percent** **Row Pct** **Col Pct**	**0. No**	**1. Yes**	**Total**
.	691.78 . . .	494.467 . . .	. .
1. Yes	2090.68 3.05 9.55 13.06	19796.7 28.84 90.45 37.62	21887.3 31.89
2. No	9840.64 14.34 28.19 61.45	25070.8 36.53 71.81 47.64	34911.4 50.86
3. I don't remember	4081.88 5.95 34.48 25.49	7756.84 11.30 65.52 14.74	11838.7 17.25
Total	16013.2 23.33	52624.3 76.67	68637.5 100.00
Frequency Missing = 1186.2462671			

Statistics for Table of Q8 by tookpltst

Statistic	DF	Value	Prob
Chi-Square	2	3606.0769	<.0001
Likelihood Ratio Chi-Square	2	4001.1264	<.0001
Mantel-Haenszel Chi-Square	1	3257.9597	<.0001
Phi Coefficient		0.2292	
Contingency Coefficient		0.2234	
Cramer's V		0.2292	

Effective Sample Size = 68637.458464
Frequency Missing = 1186.2462671

Table of q9_r by ENRLMENT			
q9_r(q9 dich. Before enrolling, prepared for this college's placement test - how)	ENRLMENT(Thinking about this current academic term, how would you characterize your enrollment at this college?)		
Frequency Percent Row Pct Col Pct	Less than full-time	Full-time	Total
.	4346 . . .	10496 . . .	. .
0. Did not prepare for placement test	9111 16.46 25.83 65.69	26158 47.27 74.17 63.08	35269 63.73
1. Prepared for placement test	4759 8.60 23.71 34.31	15311 27.67 76.29 36.92	20070 36.27
Total	13870 25.06	41469 74.94	55339 100.00
Frequency Missing = 14842			

Statistics for Table of q9_r by ENRLMENT

Statistic	DF	Value	Prob
Chi-Square	1	30.6339	<.0001
Likelihood Ratio Chi-Square	1	30.8008	<.0001
Continuity Adj. Chi-Square	1	30.5211	<.0001
Mantel-Haenszel Chi-Square	1	30.6334	<.0001
Phi Coefficient		0.0235	
Contingency Coefficient		0.0235	
Cramer's V		0.0235	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	9111
Left-sided Pr <= F	1.0000
Right-sided Pr >= F	<.0001
Table Probability (P)	<.0001
Two-sided Pr <= P	<.0001

Effective Sample Size = 55339
Frequency Missing = 14842

WARNING: 21% of the data are missing.

Table of q9_r by SEX				
q9_r(q9 dich. Before enrolling, prepared for this college's placement test - how)	SEX(Sex)			
Frequency Percent Row Pct Col Pct	.	Male	Female	Total
.	94.9393 . . .	6112.63 . . .	9269.57 . . .	. .
0. Did not prepare for placement test	340.235 . . .	14328.5 26.63 41.28 65.78	20383.3 37.88 58.72 63.64	34711.8 64.50
1. Prepared for placement test	192.896 . . .	7454.35 13.85 39.02 34.22	11647.3 21.64 60.98 36.36	19101.6 35.50
Total	. .	21782.8 40.48	32030.6 59.52	53813.4 100.00
Frequency Missing = 16010.278228				

Statistics for Table of q9_r by SEX

Statistic	DF	Value	Prob
Chi-Square	1	25.9759	<.0001
Likelihood Ratio Chi-Square	1	26.0240	<.0001
Continuity Adj. Chi-Square	1	25.8825	<.0001
Mantel-Haenszel Chi-Square	1	25.9754	<.0001
Phi Coefficient		0.0220	
Contingency Coefficient		0.0220	
Cramer's V		0.0220	

Effective Sample Size = 53813.426503
Frequency Missing = 16010.278228

WARNING: 23% of the data are missing.

Table of q9_r by stud_age_class				
q9_r(q9 dich. Before enrolling, prepared for this college's placement test - how)	stud_age_class(Age: 1 = Trad Age (18 - 24), 2 = Non-Trad Age (25+))			
Frequency Percent Row Pct Col Pct	.	Traditional-Age	Nontraditional-Age	Total
.	142.302 . . .	9735.47 . . .	5599.38 . . .	. .
0. Did not prepare for placement test	350.263 . . .	22845.6 42.49 65.83 62.91	11856.2 22.05 34.17 67.93	34701.8 64.54
1. Prepared for placement test	230.711 . . .	13467.2 25.05 70.64 37.09	5596.64 10.41 29.36 32.07	19063.8 35.46
Total	. .	36312.7 67.54	17452.8 32.46	53765.6 100.00
Frequency Missing = 16058.120727				

Statistics for Table of q9_r by stud_age_class

Statistic	DF	Value	Prob
Chi-Square	1	129.7683	<.0001
Likelihood Ratio Chi-Square	1	130.8525	<.0001
Continuity Adj. Chi-Square	1	129.5491	<.0001
Mantel-Haenszel Chi-Square	1	129.7659	<.0001
Phi Coefficient		-0.0491	
Contingency Coefficient		0.0491	
Cramer's V		-0.0491	

Effective Sample Size = 53765.584004
Frequency Missing = 16058.120727

WARNING: 23% of the data are missing.

Table of q9_r by RERACE

q9_r(q9 dich. Before enrolling, prepared for this college's placement test - how)		RERACE(What is your racial identification)							
Frequency Percent Row Pct Col Pct	.	American Indian or other Native American	Asian, Asian American or Pacific Islander	Native Hawaiian	Black or African American, Non-Hispanic	White, Non-Hispanic	Hispanic, Latino, Spanish	Other	Total
.	948.354 . . .	236.517 . . .	581.708 . . .	9.73073 . . .	1373.1 . . .	10108.1 . . .	1718.39 . . .	501.258 . . .	. .
0. Did not prepare for placement test	826.085 . . .	701.592 1.32 2.05 69.86	1193.05 2.25 3.49 54.88	29.6692 0.06 0.09 48.82	4134.79 7.80 12.08 60.59	21162.8 39.90 61.83 65.99	5555.3 10.47 16.23 64.23	1448.71 2.73 4.23 64.16	34226 64.53
1. Prepared for placement test	481.573 . . .	302.716 0.57 1.61 30.14	980.996 1.85 5.21 45.12	31.1019 0.06 0.17 51.18	2689.55 5.07 14.30 39.41	10905.4 20.56 57.97 34.01	3093.97 5.83 16.45 35.77	809.25 1.53 4.30 35.84	18812.9 35.47
Total	. .	1004.31 1.89	2174.04 4.10	60.7711 0.11	6824.34 12.87	32068.2 60.46	8649.27 16.31	2257.96 4.26	53038.9 100.00
Frequency Missing = 16784.804148									

Statistics for Table of q9_r by RERACE

Statistic	DF	Value	Prob
Chi-Square	6	184.3018	<.0001
Likelihood Ratio Chi-Square	6	180.9300	<.0001
Mantel-Haenszel Chi-Square	1	31.7791	<.0001
Phi Coefficient		0.0589	
Contingency Coefficient		0.0588	
Cramer's V		0.0589	

Effective Sample Size = 53038.900584
Frequency Missing = 16784.804148

WARNING: 24% of the data are missing.

Table of q9_r by developmental				
q9_r(q9 dich. Before enrolling, prepared for this college's placement test - how)	developmental(Developmental: 1 = Non-Developmental, 2 = Developmental)			
Frequency Percent Row Pct Col Pct	.	Non-Developmental	Developmental	Total
.	365.731 . . .	11351.3 . . .	3760.11 . . .	. .
0. Did not prepare for placement test	1069.36 . . .	15995.3 30.43 47.07 68.88	17987.4 34.22 52.93 61.29	33982.7 64.64
1. Prepared for placement test	708.153 . . .	7225.31 13.74 38.87 31.12	11361.1 21.61 61.13 38.71	18586.4 35.36
Total	. .	23220.6 44.17	29348.4 55.83	52569 100.00
Frequency Missing = 17254.654964				

Statistics for Table of q9_r by developmental

Statistic	DF	Value	Prob
Chi-Square	1	327.1828	<.0001
Likelihood Ratio Chi-Square	1	328.9262	<.0001
Continuity Adj. Chi-Square	1	326.8506	<.0001
Mantel-Haenszel Chi-Square	1	327.1766	<.0001
Phi Coefficient		0.0789	
Contingency Coefficient		0.0786	
Cramer's V		0.0789	

Effective Sample Size = 52569.049767
Frequency Missing = 17254.654964

WARNING: 25% of the data are missing.

Table of q9_r by generation				
q9_r(q9 dich. Before enrolling, prepared for this college's placement test - how)	generation(1st Generation: 1 = 1st Gen, 2 = Not 1st Gen)			
Frequency Percent Row Pct Col Pct	.	First-Generation	Not First-Generation	Total
.	2276.72 . . .	3350.03 . . .	9850.4 . . .	. .
0. Did not prepare for placement test	7542.38 . . .	9504.75 22.61 34.55 64.97	18004.9 42.83 65.45 65.70	27509.7 65.45
1. Prepared for placement test	4770.42 . . .	5125.52 12.19 35.29 35.03	9398.58 22.36 64.71 34.30	14524.1 34.55
Total	. .	14630.3 34.81	27403.5 65.19	42033.8 100.00
Frequency Missing = 27789.949553				

Statistics for Table of q9_r by generation

Statistic	DF	Value	Prob
Chi-Square	1	2.2887	0.1303
Likelihood Ratio Chi-Square	1	2.2864	0.1305
Continuity Adj. Chi-Square	1	2.2562	0.1331
Mantel-Haenszel Chi-Square	1	2.2886	0.1303
Phi Coefficient		-0.0074	
Contingency Coefficient		0.0074	
Cramer's V		-0.0074	

Effective Sample Size = 42033.755179
Frequency Missing = 27789.949553

WARNING: 40% of the data are missing.

Table of q9_r by credit				
q9_r(q9 dich. Before enrolling, prepared for this college's placement test - how)	credit(Credit Hrs Earned: 1 = 0-29 hrs, 2 = 30+ hrs)			
Frequency Percent Row Pct Col Pct	.	0 to 29 Credits	30+ Credits	Total
.	252.75 . . .	10652.1 . . .	4572.35 . . .	. .
0. Did not prepare for placement test	646.904 . . .	20750.5 38.88 60.31 62.77	13654.6 25.58 39.69 67.22	34405.1 64.47
1. Prepared for placement test	329.831 . . .	12306.1 23.06 64.89 37.23	6658.55 12.48 35.11 32.78	18964.7 35.53
Total	. .	33056.7 61.94	20313.2 38.06	53369.8 100.00
Frequency Missing = 16453.881956				

Statistics for Table of q9_r by credit

Statistic	DF	Value	Prob
Chi-Square	1	108.6619	<.0001
Likelihood Ratio Chi-Square	1	109.2120	<.0001
Continuity Adj. Chi-Square	1	108.4678	<.0001
Mantel-Haenszel Chi-Square	1	108.6599	<.0001
Phi Coefficient		-0.0451	
Contingency Coefficient		0.0451	
Cramer's V		-0.0451	

Effective Sample Size = 53369.822776
Frequency Missing = 16453.881956

WARNING: 24% of the data are missing.

Table of q9_r by Q20						
q9_r(q9 dich. Before enrolling, prepared for this college's placement test - how)	Q20(q20. In what range was overall HS GPA)					
Frequency Percent Row Pct Col Pct	.	1. A	2. B	3. C	4. D or lower	Total
.	738.771 . . .	5155.23 . . .	7009.99 . . .	2368.62 . . .	204.533 . . .	. .
0. Did not prepare for placement test	683.364 . . .	6771.56 12.72 19.70 59.44	17591.5 33.05 51.18 64.45	8845.47 16.62 25.74 68.30	1160.09 2.18 3.38 72.80	34368.7 64.56
1. Prepared for placement test	429.144 . . .	4621.01 8.68 24.49 40.56	9704.85 18.23 51.44 35.55	4106.15 7.71 21.77 31.70	433.362 0.81 2.30 27.20	18865.4 35.44
Total	. .	11392.6 21.40	27296.4 51.28	12951.6 24.33	1593.45 2.99	53234 100.00
Frequency Missing = 16589.655393						

Statistics for Table of q9_r by Q20

Statistic	DF	Value	Prob
Chi-Square	3	257.1158	<.0001
Likelihood Ratio Chi-Square	3	257.9815	<.0001
Mantel-Haenszel Chi-Square	1	255.2096	<.0001
Phi Coefficient		0.0695	
Contingency Coefficient		0.0693	
Cramer's V		0.0695	

Effective Sample Size = 53234.049339
Frequency Missing = 16589.655393

WARNING: 24% of the data are missing.

Table of q9_r by tookpltst			
q9_r(q9 dich. Before enrolling, prepared for this college's placement test - how)	tookpltst(Flag indicating respondent took a placement test)		
Frequency Percent Row Pct Col Pct	0. No	1. Yes	Total
.	15477.1 . . .	0 . . .	. .
0. Did not prepare for placement test	836.027 1.54 2.39 68.09	34216 62.96 97.61 64.41	35052 64.50
1. Prepared for placement test	391.806 0.72 2.03 31.91	18902.7 34.78 97.97 35.59	19294.5 35.50
Total	1227.83 2.26	53118.7 97.74	54346.6 100.00
Frequency Missing = 15477.146929			

Statistics for Table of q9_r by tookpltst

Statistic	DF	Value	Prob
Chi-Square	1	7.0797	0.0078
Likelihood Ratio Chi-Square	1	7.1939	0.0073
Continuity Adj. Chi-Square	1	6.9201	0.0085
Mantel-Haenszel Chi-Square	1	7.0796	0.0078
Phi Coefficient		0.0114	
Contingency Coefficient		0.0114	
Cramer's V		0.0114	

Effective Sample Size = 54346.557802
Frequency Missing = 15477.146929

WARNING: 22% of the data are missing.

Table of q10_r by ENRLMENT			
q10_r(q10 dich. Results of placement test indicated I needed to take a dev ed course...)	ENRLMENT(Thinking about this current academic term, how would you characterize your enrollment at this college?)		
Frequency Percent Row Pct Col Pct	Less than full-time	Full-time	Total
0. Placement test indicated NO need for dev ed courses	4058 7.49 22.50 30.01	13980 25.81 77.50 34.39	18038 33.30
1. Placement test indicated dev ed needed in 1 or more areas	9463 17.47 26.19 69.99	26673 49.24 73.81 65.61	36136 66.70
Total	13521 24.96	40653 75.04	54174 100.00

Statistics for Table of q10_r by ENRLMENT

Statistic	DF	Value	Prob
Chi-Square	1	87.4833	<.0001
Likelihood Ratio Chi-Square	1	88.5315	<.0001
Continuity Adj. Chi-Square	1	87.2864	<.0001
Mantel-Haenszel Chi-Square	1	87.4817	<.0001
Phi Coefficient		-0.0402	
Contingency Coefficient		0.0402	
Cramer's V		-0.0402	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	4058
Left-sided Pr <= F	<.0001
Right-sided Pr >= F	1.0000
Table Probability (P)	<.0001
Two-sided Pr <= P	<.0001

Sample Size = 54174

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1)

Table of q10_r by SEX				
q10_r(q10 dich. Results of placement test indicated I needed to take a dev ed course...)		SEX(Sex)		
Frequency Percent Row Pct Col Pct	.	Male	Female	Total
0. Placement test indicated NO need for dev ed courses	128.25 . . .	7810.97 14.85 45.92 36.76	9199.39 17.49 54.08 29.34	17010.4 32.34
1. Placement test indicated dev ed needed in 1 or more areas	389.479 . . .	13435.8 25.54 37.75 63.24	22154.9 42.12 62.25 70.66	35590.6 67.66
Total	. .	21246.7 40.39	31354.3 59.61	52601 100.00
Frequency Missing = 517.72879595				

Statistics for Table of q10_r by SEX

Statistic	DF	Value	Prob
Chi-Square	1	318.9295	<.0001
Likelihood Ratio Chi-Square	1	317.0439	<.0001
Continuity Adj. Chi-Square	1	318.5904	<.0001
Mantel-Haenszel Chi-Square	1	318.9235	<.0001
Phi Coefficient		0.0779	
Contingency Coefficient		0.0776	
Cramer's V		0.0779	

Effective Sample Size = 52600.996078
Frequency Missing = 517.72879595

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1)

Table of q10_r by stud_age_class				
q10_r(q10 dich. Results of placement test indicated I needed to take a dev ed course...)	**stud_age_class(Age: 1 = Trad Age (18 - 24), 2 = Non-Trad Age (25+))**			
Frequency **Percent** **Row Pct** **Col Pct**	**.**	**Traditional-Age**	**Nontraditional-Age**	**Total**
0. Placement test indicated NO need for dev ed courses	116.204 . . .	12281.4 23.37 72.15 34.50	4740.96 9.02 27.85 27.95	17022.4 32.38
1. Placement test indicated dev ed needed in 1 or more areas	439.261 . . .	23317.4 44.36 65.61 65.50	12223.5 23.25 34.39 72.05	35540.9 67.62
Total	. .	35598.8 67.73	16964.4 32.27	52563.3 100.00
Frequency Missing = 555.46530409				

Statistics for Table of q10_r by stud_age_class

Statistic	DF	Value	Prob
Chi-Square	1	225.3222	<.0001
Likelihood Ratio Chi-Square	1	228.5535	<.0001
Continuity Adj. Chi-Square	1	225.0230	<.0001
Mantel-Haenszel Chi-Square	1	225.3179	<.0001
Phi Coefficient		0.0655	
Contingency Coefficient		0.0653	
Cramer's V		0.0655	

Effective Sample Size = 52563.25957
Frequency Missing = 555.46530409

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1)

Table of q10_r by RERACE

q10_r(q10 dich. Results of placement test indicated I needed to take a dev ed course...)		RERACE(What is your racial identification)							
Frequency Percent Row Pct Col Pct	.	American Indian or other Native American	Asian, Asian American or Pacific Islander	Native Hawaiian	Black or African American, Non-Hispanic	White, Non-Hispanic	Hispanic, Latino, Spanish	Other	Total
0. Placement test indicated NO need for dev ed courses	350.7 . . .	257.139 0.50 1.53 26.06	655.098 1.26 3.90 30.91	25.4366 0.05 0.15 42.39	1397.73 2.69 8.33 21.10	11748.2 22.64 69.98 37.37	2034.93 3.92 12.12 23.99	669.355 1.29 3.99 30.61	16787.9 32.35
1. Placement test indicated dev ed needed in 1 or more areas	870.906 . . .	729.592 1.41 2.08 73.94	1464 2.82 4.17 69.09	34.575 0.07 0.10 57.61	5227.42 10.07 14.89 78.90	19686.9 37.93 56.07 62.63	6448.99 12.43 18.37 76.01	1517.71 2.92 4.32 69.39	35109.2 67.65
Total	. .	986.731 1.90	2119.1 4.08	60.0116 0.12	6625.16 12.77	31435.1 60.57	8483.92 16.35	2187.07 4.21	51897.1 100.00
Frequency Missing = 1221.6058418									

Statistics for Table of q10_r by RERACE

Statistic	DF	Value	Prob
Chi-Square	6	1042.5938	<.0001
Likelihood Ratio Chi-Square	6	1079.6231	<.0001
Mantel-Haenszel Chi-Square	1	6.4218	0.0113
Phi Coefficient		0.1417	
Contingency Coefficient		0.1403	
Cramer's V		0.1417	

Effective Sample Size = 51897.119032
Frequency Missing = 1221.6058418

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1)

Table of q10_r by developmental				
q10_r(q10 dich. Results of placement test indicated I needed to take a dev ed course...)	**developmental(Developmental: 1 = Non-Developmental, 2 = Developmental)**			
Frequency Percent Row Pct Col Pct	**.**	**Non-Developmental**	**Developmental**	**Total**
0. Placement test indicated NO need for dev ed courses	403.092 . . .	12583.9 24.48 75.19 55.77	4151.62 8.08 24.81 14.40	16735.5 32.56
1. Placement test indicated dev ed needed in 1 or more areas	1316.9 . . .	9979.89 19.42 28.79 44.23	24683.3 48.02 71.21 85.60	34663.2 67.44
Total	. .	22563.8 43.90	28834.9 56.10	51398.7 100.00
Frequency Missing = 1719.9872703				

Statistics for Table of q10_r by developmental

Statistic	DF	Value	Prob
Chi-Square	1	9867.2820	<.0001
Likelihood Ratio Chi-Square	1	10121.4204	<.0001
Continuity Adj. Chi-Square	1	9865.3980	<.0001
Mantel-Haenszel Chi-Square	1	9867.0901	<.0001
Phi Coefficient		0.4381	
Contingency Coefficient		0.4013	
Cramer's V		0.4381	

Effective Sample Size = 51398.737604
Frequency Missing = 1719.9872703

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1)

Table of q10_r by generation

q10_r(q10 dich.. Results of placement test indicated I needed to take a dev ed course...)	generation(1st Generation: 1 = 1st Gen, 2 = Not 1st Gen)			
Frequency **Percent** **Row Pct** **Col Pct**	**.**	**First-Generation**	**Not First-Generation**	**Total**
0. Placement test indicated NO need for dev ed courses	2834.62 . . .	3881.38 9.44 27.13 27.11	10422.6 25.34 72.87 38.86	14304 34.77
1. Placement test indicated dev ed needed in 1 or more areas	9145.99 . . .	10437.2 25.37 38.90 72.89	16396.9 39.86 61.10 61.14	26834.1 65.23
Total	. .	14318.6 34.81	26819.5 65.19	41138.1 100.00
Frequency Missing = 11980.604133				

Statistics for Table of q10_r by generation

Statistic	DF	Value	Prob
Chi-Square	1	568.6855	<.0001
Likelihood Ratio Chi-Square	1	580.6431	<.0001
Continuity Adj. Chi-Square	1	568.1673	<.0001
Mantel-Haenszel Chi-Square	1	568.6717	<.0001
Phi Coefficient		-0.1176	
Contingency Coefficient		0.1168	
Cramer's V		-0.1176	

Effective Sample Size = 41138.120741
Frequency Missing = 11980.604133

WARNING: 23% of the data are missing.

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1)

Table of q10_r by credit					
q10_r(q10 dich. Results of placement test indicated I needed to take a dev ed course...)		credit(Credit Hrs Earned: 1 = 0-29 hrs, 2 = 30+ hrs)			
Frequency Percent Row Pct Col Pct	.	0 to 29 Credits	30+ Credits	Total	
0. Placement test indicated NO need for dev ed courses	273.349 . . .	9879.92 18.93 58.58 30.65	6985.34 13.38 41.42 35.01	16865.3 32.31	
1. Placement test indicated dev ed needed in 1 or more areas	655.001 . . .	22357.1 42.84 63.29 69.35	12968 24.85 36.71 64.99	35325.1 67.69	
Total	. .	32237.1 61.77	19953.3 38.23	52190.4 100.00	
Frequency Missing = 928.35056587					

Statistics for Table of q10_r by credit

Statistic	DF	Value	Prob
Chi-Square	1	107.1533	<.0001
Likelihood Ratio Chi-Square	1	106.6297	<.0001
Continuity Adj. Chi-Square	1	106.9540	<.0001
Mantel-Haenszel Chi-Square	1	107.1513	<.0001
Phi Coefficient		-0.0453	
Contingency Coefficient		0.0453	
Cramer's V		-0.0453	

Effective Sample Size = 52190.374308
Frequency Missing = 928.35056587

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1)

Table of q10_r by q9_r			
q10_r(q10 dich.. Results of placement test indicated I needed to take a dev ed course...)	**q9_r(q9 dich. Before enrolling, prepared for this college's placement test - how)**		
Frequency **Percent** **Row Pct** **Col Pct**	**0. Did not prepare for placement test**	**1. Prepared for placement test**	**Total**
0. Placement test indicated NO need for dev ed courses	11779.1 22.17 68.73 34.43	5359.56 10.09 31.27 28.35	17138.6 32.26
1. Placement test indicated dev ed needed in 1 or more areas	22437 42.24 62.36 65.57	13543.2 25.50 37.64 71.65	35980.1 67.74
Total	34216 64.41	18902.7 35.59	53118.7 100.00

Statistics for Table of q10_r by q9_r

Statistic	DF	Value	Prob
Chi-Square	1	205.4256	<.0001
Likelihood Ratio Chi-Square	1	207.6706	<.0001
Continuity Adj. Chi-Square	1	205.1479	<.0001
Mantel-Haenszel Chi-Square	1	205.4217	<.0001
Phi Coefficient		0.0622	
Contingency Coefficient		0.0621	
Cramer's V		0.0622	

Sample Size = 53118.724874

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1)

Table of q10_r by Q20						
q10_r(q10 dich. Results of placement test indicated I needed to take a dev ed course...)	**Q20(q20. In what range was overall HS GPA)**					
Frequency **Percent** **Row Pct** **Col Pct**	**.**	**1. A**	**2. B**	**3. C**	**4. D or lower**	**Total**
0. Placement test indicated NO need for dev ed courses	274.54 . . .	5210.93 9.99 30.90 46.86	8389.09 16.09 49.75 31.35	2892.93 5.55 17.15 22.76	371.116 0.71 2.20 23.95	16864.1 32.34
1. Placement test indicated dev ed needed in 1 or more areas	700.437 . . .	5908.16 11.33 16.75 53.14	18373.2 35.24 52.08 68.65	9820.11 18.83 27.84 77.24	1178.21 2.26 3.34 76.05	35279.7 67.66
Total	. .	11119.1 21.32	26762.3 51.32	12713 24.38	1549.33 2.97	52143.7 100.00
Frequency Missing = 974.9770178						

Statistics for Table of q10_r by Q20

Statistic	DF	Value	Prob
Chi-Square	3	1667.5803	<.0001
Likelihood Ratio Chi-Square	3	1643.5300	<.0001
Mantel-Haenszel Chi-Square	1	1477.0369	<.0001
Phi Coefficient		0.1788	
Contingency Coefficient		0.1760	
Cramer's V		0.1788	

Effective Sample Size = 52143.747856
Frequency Missing = 974.9770178

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1)

Table of q11_rt by ENRLMENT			
q11_rt(q11 3-lvl. Because placement test indicated I needed 1+ dev ed, I was told...)	**ENRLMENT(Thinking about this current academic term, how would you characterize your enrollment at this college?)**		
Frequency **Percent** **Row Pct** **Col Pct**	**Less than full-time**	**Full-time**	**Total**
0. Placement test indicated NO need for dev ed courses	350 0.97 26.54 3.70	969 2.68 73.46 3.63	1319 3.65
1. Told required to take 1 or more dev ed courses in 1st term	6615 18.31 24.90 69.90	19953 55.22 75.10 74.81	26568 73.52
2. Told SHOULD take a dev ed course in 1st term, but not req'd in 1st term	2498 6.91 30.28 26.40	5751 15.91 69.72 21.56	8249 22.83
Total	9463 26.19	26673 73.81	36136 100.00

Statistics for Table of q11_rt by ENRLMENT

Statistic	DF	Value	Prob
Chi-Square	2	94.4858	<.0001
Likelihood Ratio Chi-Square	2	92.5342	<.0001
Mantel-Haenszel Chi-Square	1	69.7231	<.0001
Phi Coefficient		0.0511	
Contingency Coefficient		0.0511	
Cramer's V		0.0511	

Sample Size = 36136

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1)

Table of q11_rt by SEX				
q11_rt(q11 3-lvl. Because placement test indicated I needed 1+ dev ed, I was told...)	**SEX(Sex)**			
Frequency **Percent** **Row Pct** **Col Pct**	**.**	**Male**	**Female**	**Total**
0. Placement test indicated NO need for dev ed courses	21.8667 . . .	611.396 1.72 47.19 4.55	684.228 1.92 52.81 3.09	1295.62 3.64
1. Told required to take 1 or more dev ed courses in 1st term	276.693 . . .	9431.49 26.50 36.80 70.20	16195.5 45.50 63.20 73.10	25627 72.00
2. Told SHOULD take a dev ed course in 1st term, but not req'd in 1st term	90.9193 . . .	3392.87 9.53 39.14 25.25	5275.16 14.82 60.86 23.81	8668.02 24.35
Total	. .	13435.8 37.75	22154.9 62.25	35590.6 100.00
Frequency Missing = 389.47877999				

Statistics for Table of q11_rt by SEX

Statistic	DF	Value	Prob
Chi-Square	2	66.0556	<.0001
Likelihood Ratio Chi-Square	2	64.8002	<.0001
Mantel-Haenszel Chi-Square	1	0.0014	0.9701
Phi Coefficient		0.0431	
Contingency Coefficient		0.0430	
Cramer's V		0.0431	

Effective Sample Size = 35590.636987
Frequency Missing = 389.47877999

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1)

Table of q11_rt by stud_age_class

q11_rt(q11 3-lvl. Because placement test indicated I needed 1+ dev ed, I was told...)	stud_age_class(Age: 1 = Trad Age (18 - 24), 2 = Non-Trad Age (25+))			
Frequency Percent Row Pct Col Pct	.	Traditional-Age	Nontraditional-Age	Total
0. Placement test indicated NO need for dev ed courses	13.413 . . .	945.829 2.66 72.53 4.06	358.249 1.01 27.47 2.93	1304.08 3.67
1. Told required to take 1 or more dev ed courses in 1st term	330.065 . . .	17181.8 48.34 67.19 73.69	8391.78 23.61 32.81 68.65	25573.6 71.96
2. Told SHOULD take a dev ed course in 1st term, but not req'd in 1st term	95.7833 . . .	5189.72 14.60 59.91 22.26	3473.44 9.77 40.09 28.42	8663.16 24.38
Total	. .	23317.4 65.61	12223.5 34.39	35540.9 100.00
Frequency Missing = 439.26130464				

Statistics for Table of q11_rt by stud_age_class

Statistic	DF	Value	Prob
Chi-Square	2	180.7366	<.0001
Likelihood Ratio Chi-Square	2	179.1067	<.0001
Mantel-Haenszel Chi-Square	1	179.1301	<.0001
Phi Coefficient		0.0713	
Contingency Coefficient		0.0711	
Cramer's V		0.0713	

Effective Sample Size = 35540.854462
Frequency Missing = 439.26130464

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1)

Table of q11_rt by RERACE				
q11_rt(q11 3-lvl. Because placement test indicated I needed 1+ dev ed, I was told...)		RERACE(What is your racial identification)		
Frequency Percent Row Pct Col Pct	.	American Indian or other Native American	Asian, Asian American or Pacific Islander	Native Hawaiian	Black or African American, Non-Hispanic
0. Placement test indicated NO need for dev ed courses	57.304 . . .	22.7462 0.06 1.80 3.12	65.7807 0.19 5.22 4.49	0.93133 0.00 0.07 2.69	175.99 0.50 13.97 3.37
1. Told required to take 1 or more dev ed courses in 1st term	627.645 . . .	539.847 1.54 2.14 73.99	1158.17 3.30 4.58 79.11	21.9178 0.06 0.09 63.39	4282.44 12.20 16.94 81.92
2. Told SHOULD take a dev ed course in 1st term, but not req'd in 1st term	185.957 . . .	166.999 0.48 1.95 22.89	240.047 0.68 2.80 16.40	11.7259 0.03 0.14 33.91	768.991 2.19 8.97 14.71
Total	. .	729.592 2.08	1464 4.17	34.575 0.10	5227.42 14.89
Frequency Missing = 870.90616397					

Table of q11_rt by RERACE				
q11_rt(q11 3-lvl. Because placement test indicated I needed 1+ dev ed, I was told...)		RERACE(What is your racial identification)		
Frequency Percent Row Pct Col Pct	White, Non-Hispanic	Hispanic, Latino, Spanish	Other	Total
0. Placement test indicated NO need for dev ed courses	736.611 2.10 58.45 3.74	197.801 0.56 15.70 3.07	60.3267 0.17 4.79 3.97	1260.19 3.59
1. Told required to take 1 or more dev ed courses in 1st term	13094.5 37.30 51.81 66.51	5088.73 14.49 20.13 78.91	1090.43 3.11 4.31 71.85	25276 71.99
2. Told SHOULD take a dev ed course in 1st term, but not req'd in 1st term	5855.81 16.68 68.31 29.74	1162.46 3.31 13.56 18.03	366.957 1.05 4.28 24.18	8572.99 24.42
Total	19686.9 56.07	6448.99 18.37	1517.71 4.32	35109.2 100.00
Frequency Missing = 870.90616397				

Statistics for Table of q11_rt by RERACE

Statistic	DF	Value	Prob
Chi-Square	12	797.9755	<.0001
Likelihood Ratio Chi-Square	12	830.0670	<.0001
Mantel-Haenszel Chi-Square	1	26.2789	<.0001

Statistic	DF	Value	Prob
Phi Coefficient		0.1508	
Contingency Coefficient		0.1491	
Cramer's V		0.1066	

Effective Sample Size = 35109.209603
Frequency Missing = 870.90616397

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1)

Table of q11_rt by developmental				
q11_rt(q11 3-lvl. Because placement test indicated I needed 1+ dev ed, I was told...)	developmental(Developmental: 1 = Non-Developmental, 2 = Developmental)			
Frequency **Percent** **Row Pct** **Col Pct**	**.**	**Non-Developmental**	**Developmental**	**Total**
0. Placement test indicated NO need for dev ed courses	36.2155 . . .	623.671 1.80 48.68 6.25	657.604 1.90 51.32 2.66	1281.28 3.70
1. Told required to take 1 or more dev ed courses in 1st term	956.125 . . .	6505.82 18.77 26.08 65.19	18441.7 53.20 73.92 74.71	24947.6 71.97
2. Told SHOULD take a dev ed course in 1st term, but not req'd in 1st term	324.555 . . .	2850.4 8.22 33.80 28.56	5583.99 16.11 66.20 22.62	8434.39 24.33
Total	. .	9979.89 28.79	24683.3 71.21	34663.2 100.00
Frequency Missing = 1316.8956576				

Statistics for Table of q11_rt by developmental

Statistic	DF	Value	Prob
Chi-Square	2	439.6916	<.0001
Likelihood Ratio Chi-Square	2	415.4963	<.0001
Mantel-Haenszel Chi-Square	1	16.5642	<.0001
Phi Coefficient		0.1126	
Contingency Coefficient		0.1119	
Cramer's V		0.1126	

Effective Sample Size = 34663.220109
Frequency Missing = 1316.8956576

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1)

Table of q11_rt by generation				
q11_rt(q11 3-lvl. Because placement test indicated I needed 1+ dev ed, I was told...)	generation(1st Generation: 1 = 1st Gen, 2 = Not 1st Gen)			
Frequency Percent Row Pct Col Pct	.	First-Generation	Not First-Generation	Total
0. Placement test indicated NO need for dev ed courses	369.242 . . .	326.434 1.22 34.42 3.13	621.814 2.32 65.58 3.79	948.248 3.53
1. Told required to take 1 or more dev ed courses in 1st term	6970.85 . . .	7728.05 28.80 40.82 74.04	11204.8 41.76 59.18 68.33	18932.8 70.56
2. Told SHOULD take a dev ed course in 1st term, but not req'd in 1st term	1805.9 . . .	2382.71 8.88 34.27 22.83	4570.33 17.03 65.73 27.87	6953.05 25.91
Total	. .	10437.2 38.90	16396.9 61.10	26834.1 100.00
Frequency Missing = 9145.9890428				

Statistics for Table of q11_rt by generation

Statistic	DF	Value	Prob
Chi-Square	2	100.0544	<.0001
Likelihood Ratio Chi-Square	2	101.0342	<.0001
Mantel-Haenszel Chi-Square	1	50.0520	<.0001
Phi Coefficient		0.0611	
Contingency Coefficient		0.0609	
Cramer's V		0.0611	

Effective Sample Size = 26834.126724
Frequency Missing = 9145.9890428

WARNING: 25% of the data are missing.

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1)

Table of q11_rt by credit				
q11_rt(q11 3-lvl. Because placement test indicated I needed 1+ dev ed, I was told...)	credit(Credit Hrs Earned: 1 = 0-29 hrs, 2 = 30+ hrs)			
Frequency Percent Row Pct Col Pct	.	0 to 29 Credits	30+ Credits	Total
0. Placement test indicated NO need for dev ed courses	28.3193 . . .	832.77 2.36 64.60 3.72	456.401 1.29 35.40 3.52	1289.17 3.65
1. Told required to take 1 or more dev ed courses in 1st term	483.675 . . .	16197 45.85 63.72 72.45	9223 26.11 36.28 71.12	25420 71.96
2. Told SHOULD take a dev ed course in 1st term, but not req'd in 1st term	143.007 . . .	5327.37 15.08 61.83 23.83	3288.56 9.31 38.17 25.36	8615.94 24.39
Total	. .	22357.1 63.29	12968 36.71	35325.1 100.00
Frequency Missing = 655.00130838				

Statistics for Table of q11_rt by credit

Statistic	DF	Value	Prob
Chi-Square	2	10.8353	0.0044
Likelihood Ratio Chi-Square	2	10.8012	0.0045
Mantel-Haenszel Chi-Square	1	10.4197	0.0012
Phi Coefficient		0.0175	
Contingency Coefficient		0.0175	
Cramer's V		0.0175	

Effective Sample Size = 35325.114458
Frequency Missing = 655.00130838

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1)

Table of q11_rt by Q20

q11_rt(q11 3-lvl. Because placement test indicated I needed 1+ dev ed, I was told...)	Q20(q20. In what range was overall HS GPA)					
Frequency Percent Row Pct Col Pct	.	1. A	2. B	3. C	4. D or lower	Total
0. Placement test indicated NO need for dev ed courses	18.4082 . . .	265.525 0.75 20.44 4.49	668.136 1.89 51.43 3.64	325.354 0.92 25.04 3.31	40.0675 0.11 3.08 3.40	1299.08 3.68
1. Told required to take 1 or more dev ed courses in 1st term	511.461 . . .	4113.99 11.66 16.20 69.63	13452.4 38.13 52.98 73.22	7015.53 19.89 27.63 71.44	810.277 2.30 3.19 68.77	25392.2 71.97
2. Told SHOULD take a dev ed course in 1st term, but not req'd in 1st term	170.567 . . .	1528.65 4.33 17.80 25.87	4252.64 12.05 49.52 23.15	2479.22 7.03 28.87 25.25	327.866 0.93 3.82 27.83	8588.38 24.34
Total	. .	5908.16 16.75	18373.2 52.08	9820.11 27.84	1178.21 3.34	35279.7 100.00
Frequency Missing = 700.43674567						

Statistics for Table of q11_rt by Q20

Statistic	DF	Value	Prob
Chi-Square	6	50.7557	<.0001
Likelihood Ratio Chi-Square	6	50.0077	<.0001
Mantel-Haenszel Chi-Square	1	6.3836	0.0115
Phi Coefficient		0.0379	
Contingency Coefficient		0.0379	
Cramer's V		0.0268	

Effective Sample Size = 35279.679021
Frequency Missing = 700.43674567

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1)

Table of q12_r by ENRLMENT			
q12_r(q12 dich.. I was told I was req'd to enroll in dev ed course in my 1st term)	**ENRLMENT(Thinking about this current academic term, how would you characterize your enrollment at this college?)**		
Frequency **Percent** **Row Pct** **Col Pct**	**Less than full-time**	**Full-time**	**Total**
.	1547 . . .	3407 . . .	. .
0. Did not enroll in any dev ed course	878 2.94 30.19 11.60	2030 6.80 69.81 9.10	2908 9.74
1. Did enroll in 1 or more dev ed courses	6688 22.40 24.81 88.40	20267 67.87 75.19 90.90	26955 90.26
Total	7566 25.34	22297 74.66	29863 100.00
Frequency Missing = 4954			

Statistics for Table of q12_r by ENRLMENT

Statistic	DF	Value	Prob
Chi-Square	1	40.1750	<.0001
Likelihood Ratio Chi-Square	1	38.8178	<.0001
Continuity Adj. Chi-Square	1	39.8911	<.0001
Mantel-Haenszel Chi-Square	1	40.1737	<.0001
Phi Coefficient		0.0367	
Contingency Coefficient		0.0367	
Cramer's V		0.0367	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	878
Left-sided Pr <= F	1.0000
Right-sided Pr >= F	<.0001
Table Probability (P)	<.0001
Two-sided Pr <= P	<.0001

Effective Sample Size = 29863
Frequency Missing = 4954

WARNING: 14% of the data are missing.

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2)

Table of q12_r by SEX

q12_r(q12 dich.. I was told I was req'd to enroll in dev ed course in my 1st term)	SEX(Sex)			
Frequency Percent Row Pct Col Pct	.	Male	Female	Total
.	61.4584 . . .	1934.18 . . .	3329.79 . . .	. .
0. Did not enroll in any dev ed course	21.7993 . . .	1305.95 4.50 41.99 11.99	1804.26 6.21 58.01 9.95	3110.21 10.71
1. Did enroll in 1 or more dev ed courses	284.354 . . .	9584.23 33.01 36.98 88.01	16336.6 56.27 63.02 90.05	25920.8 89.29
Total	. .	10890.2 37.51	18140.9 62.49	29031 100.00
Frequency Missing = 5631.5883311				

Statistics for Table of q12_r by SEX

Statistic	DF	Value	Prob
Chi-Square	1	29.7856	<.0001
Likelihood Ratio Chi-Square	1	29.4146	<.0001
Continuity Adj. Chi-Square	1	29.5721	<.0001
Mantel-Haenszel Chi-Square	1	29.7846	<.0001
Phi Coefficient		0.0320	
Contingency Coefficient		0.0320	
Cramer's V		0.0320	

Effective Sample Size = 29031.036695
Frequency Missing = 5631.5883311

WARNING: 16% of the data are missing.

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2)

Table of q12_r by stud_age_class

q12_r(q12 dich. I was told I was req'd to enroll in dev ed course in my 1st term)	stud_age_class(Age: 1 = Trad Age (18 - 24), 2 = Non-Trad Age (25+))			
Frequency **Percent** **Row Pct** **Col Pct**	**.**	**Traditional-Age**	**Nontraditional-Age**	**Total**
.	66.9775 . . .	2951.37 . . .	2307.09 . . .	. .
0. Did not enroll in any dev ed course	21.9593 . . .	2102.16 7.25 67.59 10.82	1007.9 3.48 32.41 10.54	3110.05 10.73
1. Did enroll in 1 or more dev ed courses	336.912 . . .	17318 59.76 66.95 89.18	8550.23 29.51 33.05 89.46	25868.3 89.27
Total	. .	19420.2 67.02	9558.13 32.98	28978.3 100.00
Frequency Missing = 5684.3055236				

Statistics for Table of q12_r by stud_age_class

Statistic	DF	Value	Prob
Chi-Square	1	0.5230	0.4696
Likelihood Ratio Chi-Square	1	0.5243	0.4690
Continuity Adj. Chi-Square	1	0.4942	0.4821
Mantel-Haenszel Chi-Square	1	0.5229	0.4696
Phi Coefficient		0.0042	
Contingency Coefficient		0.0042	
Cramer's V		0.0042	

Effective Sample Size = 28978.319502
Frequency Missing = 5684.3055236

WARNING: 16% of the data are missing.

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2)

Table of q12_r by RERACE

q12_r(q12 dich. I was told I was req'd to enroll in dev ed course in my 1st term)		RERACE(What is your racial identification)							
Frequency Percent Row Pct Col Pct	.	American Indian or other Native American	Asian, Asian American or Pacific Islander	Native Hawaiian	Black or African American, Non-Hispanic	White, Non-Hispanic	Hispanic, Latino, Spanish	Other	Total
.	150.668 . . .	100.218 . . .	166.971 . . .	3.59337 . . .	566.58 . . .	3383.87 . . .	708.57 . . .	244.966 . . .	. .
0. Did not enroll in any dev ed course	81.546 . . .	55.3107 0.19 1.81 9.12	129.481 0.45 4.24 10.52	9.33332 0.03 0.31 31.06	372.129 1.30 12.20 8.30	1798.23 6.27 58.95 11.55	560.468 1.95 18.37 10.11	125.51 0.44 4.11 10.35	3050.47 10.64
1. Did enroll in 1 or more dev ed courses	581.388 . . .	551.317 1.92 2.15 90.88	1101.77 3.84 4.30 89.48	20.717 0.07 0.08 68.94	4112.73 14.34 16.05 91.70	13768.2 48.02 53.73 88.45	4982.15 17.37 19.44 89.89	1086.91 3.79 4.24 89.65	25623.8 89.36
Total	. .	606.628 2.12	1231.25 4.29	30.0503 0.10	4484.85 15.64	15566.4 54.29	5542.62 19.33	1212.42 4.23	28674.3 100.00
Frequency Missing = 5988.3688655									

Statistics for Table of q12_r by RERACE

Statistic	DF	Value	Prob
Chi-Square	6	55.9162	<.0001
Likelihood Ratio Chi-Square	6	53.6325	<.0001
Mantel-Haenszel Chi-Square	1	2.8435	0.0917
Phi Coefficient		0.0442	
Contingency Coefficient		0.0441	
Cramer's V		0.0442	

Effective Sample Size = 28674.25616
Frequency Missing = 5988.3688655

WARNING: 17% of the data are missing.

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2)

Table of q12_r by developmental				
q12_r(q12 dich. I was told I was req'd to enroll in dev ed course in my 1st term)	developmental(Developmental: 1 = Non-Developmental, 2 = Developmental)			
Frequency Percent Row Pct Col Pct	.	Non-Developmental	Developmental	Total
.	174.033 . . .	1830.12 . . .	3321.28 . . .	. .
0. Did not enroll in any dev ed course	98.8719 . . .	1155.29 4.09 38.09 15.35	1877.85 6.65 61.91 9.07	3033.14 10.74
1. Did enroll in 1 or more dev ed courses	1007.78 . . .	6370.81 22.57 25.28 84.65	18826.6 66.69 74.72 90.93	25197.4 89.26
Total	. .	7526.1 26.66	20704.4 73.34	28230.5 100.00
Frequency Missing = 6432.0820778				

Statistics for Table of q12_r by developmental

Statistic	DF	Value	Prob
Chi-Square	1	227.0462	<.0001
Likelihood Ratio Chi-Square	1	212.7689	<.0001
Continuity Adj. Chi-Square	1	226.3917	<.0001
Mantel-Haenszel Chi-Square	1	227.0381	<.0001
Phi Coefficient		0.0897	
Contingency Coefficient		0.0893	
Cramer's V		0.0897	

Effective Sample Size = 28230.542948
Frequency Missing = 6432.0820778

WARNING: 19% of the data are missing.

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2)

Table of q12_r by generation				
q12_r(q12 dich. I was told I was req'd to enroll in dev ed course in my 1st term)	generation(1st Generation: 1 = 1st Gen, 2 = Not 1st Gen)			
Frequency Percent Row Pct Col Pct	.	First-Generation	Not First-Generation	Total
.	1238.61 . . .	1486.95 . . .	2599.88 . . .	. .
0. Did not enroll in any dev ed course	702.994 . . .	855.322 3.92 35.21 9.92	1573.7 7.22 64.79 11.94	2429.02 11.14
1. Did enroll in 1 or more dev ed courses	6835.15 . . .	7768.49 35.64 40.11 90.08	11601.5 53.22 59.89 88.06	19370 88.86
Total	. .	8623.81 39.56	13175.2 60.44	21799 100.00
Frequency Missing = 12863.576125				

Statistics for Table of q12_r by generation

Statistic	DF	Value	Prob
Chi-Square	1	21.6125	<.0001
Likelihood Ratio Chi-Square	1	21.8831	<.0001
Continuity Adj. Chi-Square	1	21.4083	<.0001
Mantel-Haenszel Chi-Square	1	21.6115	<.0001
Phi Coefficient		-0.0315	
Contingency Coefficient		0.0315	
Cramer's V		-0.0315	

Effective Sample Size = 21799.048901
Frequency Missing = 12863.576125

WARNING: 37% of the data are missing.

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2)

Table of q12_r by credit				
q12_r(q12 dich. I was told I was req'd to enroll in dev ed course in my 1st term)	credit(Credit Hrs Earned: 1 = 0-29 hrs, 2 = 30+ hrs)			
Frequency Percent Row Pct Col Pct	.	0 to 29 Credits	30+ Credits	Total
.	98.5869 . . .	3205.8 . . .	2021.05 . . .	. .
0. Did not enroll in any dev ed course	39.6805 . . .	2109.29 7.32 68.21 11.51	983.043 3.41 31.79 9.37	3092.33 10.73
1. Did enroll in 1 or more dev ed courses	488.415 . . .	16209.3 56.26 63.03 88.49	9507.47 33.00 36.97 90.63	25716.8 89.27
Total	. .	18318.6 63.59	10490.5 36.41	28809.1 100.00
Frequency Missing = 5853.5297452				

Statistics for Table of q12_r by credit

Statistic	DF	Value	Prob
Chi-Square	1	31.9923	<.0001
Likelihood Ratio Chi-Square	1	32.5632	<.0001
Continuity Adj. Chi-Square	1	31.7690	<.0001
Mantel-Haenszel Chi-Square	1	31.9912	<.0001
Phi Coefficient		0.0333	
Contingency Coefficient		0.0333	
Cramer's V		0.0333	

Effective Sample Size = 28809.09528
Frequency Missing = 5853.5297452

WARNING: 17% of the data are missing.

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2)

Table of q12_r by q11_rt			
q12_r(q12 dich. I was told I was req'd to enroll in dev ed course in my 1st term)	q11_rt(q11 3-lvl. Because placement test indicated I needed 1+ dev ed, I was told...)		
Frequency **Percent** **Row Pct** **Col Pct**	**1. Told required to take 1 or more dev ed courses in 1st term**	**2. Told SHOULD take a dev ed course in 1st term, but not req'd in 1st term**	**Total**
.	2195.56 . . .	3129.87 . . .	. .
0. Did not enroll in any dev ed course	1574.74 5.37 50.28 6.64	1557.27 5.31 49.72 27.66	3132.01 10.68
1. Did enroll in 1 or more dev ed courses	22133.4 75.44 84.46 93.36	4071.8 13.88 15.54 72.34	26205.2 89.32
Total	23708.1 80.81	5629.07 19.19	29337.2 100.00
Frequency Missing = 5325.4346597			

Statistics for Table of q12_r by q11_rt

Statistic	DF	Value	Prob
Chi-Square	1	2108.2094	<.0001
Likelihood Ratio Chi-Square	1	1708.2050	<.0001
Continuity Adj. Chi-Square	1	2106.0055	<.0001
Mantel-Haenszel Chi-Square	1	2108.1375	<.0001
Phi Coefficient		-0.2681	
Contingency Coefficient		0.2589	
Cramer's V		-0.2681	

Effective Sample Size = 29337.190366
Frequency Missing = 5325.4346597

WARNING: 15% of the data are missing.

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2)

Table of Q13 by ENRLMENT			
Q13(q13. I enrolled in Eng course indicated ... felt course level was...)	**ENRLMENT(Thinking about this current academic term, how would you characterize your enrollment at this college?)**		
Frequency **Percent** **Row Pct** **Col Pct**	**Less than full-time**	**Full-time**	**Total**
.	63 . . .	218 . . .	. .
1. Above my skill level at that time	731 2.57 24.13 10.16	2299 8.09 75.87 10.83	3030 10.66
2. Appropriate for my skill level at that time	5171 18.19 26.11 71.85	14630 51.46 73.89 68.91	19801 69.65
3. Below my skill level at that time	1295 4.56 23.13 17.99	4303 15.14 76.87 20.27	5598 19.69
Total	7197 25.32	21232 74.68	28429 100.00
Frequency Missing = 281			

Statistics for Table of Q13 by ENRLMENT

Statistic	DF	Value	Prob
Chi-Square	2	23.0614	<.0001
Likelihood Ratio Chi-Square	2	23.3220	<.0001
Mantel-Haenszel Chi-Square	1	4.6706	0.0307
Phi Coefficient		0.0285	
Contingency Coefficient		0.0285	
Cramer's V		0.0285	

Effective Sample Size = 28429
Frequency Missing = 281

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2). Respondents to Q13 responding "N.A." (Q13 = 4) were excluded from this table.

Table of Q13 by SEX				
Q13(q13. I enrolled in Eng course indicated ... felt course level was...)	SEX(Sex)			
Frequency Percent Row Pct Col Pct	.	Male	Female	Total
.	3.77242 . . .	113.318 . . .	145.82 . . .	. .
1. Above my skill level at that time	39.4933 . . .	1256.41 4.57 43.32 12.16	1643.8 5.99 56.68 9.60	2900.21 10.56
2. Appropriate for my skill level at that time	205.383 . . .	6903.21 25.14 35.63 66.79	12470.2 45.41 64.37 72.81	19373.4 70.54
3. Below my skill level at that time	72.3839 . . .	2176.36 7.92 41.94 21.06	3012.63 10.97 58.06 17.59	5188.99 18.89
Total	. .	10336 37.64	17126.6 62.36	27462.6 100.00
Frequency Missing = 580.17046238				

Statistics for Table of Q13 by SEX

Statistic	DF	Value	Prob
Chi-Square	2	114.0610	<.0001
Likelihood Ratio Chi-Square	2	113.0637	<.0001
Mantel-Haenszel Chi-Square	1	1.8482	0.1740
Phi Coefficient		0.0644	
Contingency Coefficient		0.0643	
Cramer's V		0.0644	

Effective Sample Size = 27462.568525
Frequency Missing = 580.17046238

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2). Respondents to Q13 responding "N.A." (Q13 = 4) were excluded from this table.

Table of Q13 by stud_age_class				
Q13(q13. I enrolled in Eng course indicated ... felt course level was...)	stud_age_class(Age: 1 = Trad Age (18 - 24), 2 = Non-Trad Age (25+))			
Frequency Percent Row Pct Col Pct	.	Traditional-Age	Nontraditional-Age	Total
.	4.34715 . . .	175.047 . . .	83.5167 . . .	. .
1. Above my skill level at that time	53.7253 . . .	1982.7 7.23 68.70 10.69	903.28 3.29 31.30 10.18	2885.98 10.52
2. Appropriate for my skill level at that time	236.791 . . .	12580.5 45.87 65.04 67.81	6761.47 24.65 34.96 76.19	19342 70.52
3. Below my skill level at that time	61.5359 . . .	3990.43 14.55 76.74 21.51	1209.4 4.41 23.26 13.63	5199.84 18.96
Total	. .	18553.6 67.65	8874.15 32.35	27427.8 100.00
Frequency Missing = 614.96295744				

Statistics for Table of Q13 by stud_age_class

Statistic	DF	Value	Prob
Chi-Square	2	257.9207	<.0001
Likelihood Ratio Chi-Square	2	269.0430	<.0001
Mantel-Haenszel Chi-Square	1	113.3857	<.0001
Phi Coefficient		0.0970	
Contingency Coefficient		0.0965	
Cramer's V		0.0970	

Effective Sample Size = 27427.77603
Frequency Missing = 614.96295744

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2). Respondents to Q13 responding "N.A." (Q13 = 4) were excluded from this table.

Table of Q13 by RERACE

Q13(q13. I enrolled in Eng course indicated ... felt course level was...)		RERACE(What is your racial identification)							
Frequency Percent Row Pct Col Pct	.	American Indian or other Native American	Asian, Asian American or Pacific Islander	Native Hawaiian	Black or African American, Non-Hispanic	White, Non-Hispanic	Hispanic, Latino, Spanish	Other	Total
.	6.75919 . . .	2.33187 . . .	10.6786 . . .	0 . . .	51.212 . . .	120.733 . . .	57.3982 . . .	13.7976 . . .	. . . .
1. Above my skill level at that time	77.1452 . . .	94.7479 0.35 3.31 16.56	193.465 0.71 6.76 15.57	5.1087 0.02 0.18 19.12	534.399 1.97 18.67 12.85	1306.78 4.82 45.65 8.98	588.865 2.17 20.57 10.96	139.197 0.51 4.86 11.49	2862.56 10.55
2. Appropriate for my skill level at that time	437.89 . . .	382.644 1.41 2.00 66.87	792.246 2.92 4.14 63.75	14.7285 0.05 0.08 55.12	2903.82 10.70 15.17 69.82	10433.8 38.46 54.51 71.73	3826.11 14.10 19.99 71.24	787.545 2.90 4.11 65.00	19140.9 70.56
3. Below my skill level at that time	136.204 . . .	94.8029 0.35 1.85 16.57	257.112 0.95 5.02 20.69	6.88201 0.03 0.13 25.76	720.85 2.66 14.06 17.33	2805.13 10.34 54.73 19.28	955.619 3.52 18.65 17.79	284.773 1.05 5.56 23.51	5125.17 18.89
Total	. .	572.195 2.11	1242.82 4.58	26.7192 0.10	4159.07 15.33	14545.7 53.62	5370.6 19.80	1211.51 4.47	27128.6 100.00
Frequency Missing = 914.14948916									

Statistics for Table of Q13 by RERACE

Statistic	DF	Value	Prob
Chi-Square	12	154.6433	<.0001
Likelihood Ratio Chi-Square	12	147.6115	<.0001
Mantel-Haenszel Chi-Square	1	23.1523	<.0001
Phi Coefficient		0.0755	
Contingency Coefficient		0.0753	
Cramer's V		0.0534	

Effective Sample Size = 27128.589498
Frequency Missing = 914.14948916

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2). Respondents to Q13 responding "N.A." (Q13 = 4) were excluded from this table.

Table of Q13 by developmental				
Q13(q13. I enrolled in Eng course indicated ... felt course level was...)	developmental(Developmental: 1 = Non-Developmental, 2 = Developmental)			
Frequency Percent Row Pct Col Pct	.	Non-Developmental	Developmental	Total
.	16.8964 . . .	73.7058 . . .	172.308 . . .	. .
1. Above my skill level at that time	109.189 . . .	758.337 2.83 26.79 10.38	2072.18 7.74 73.21 10.64	2830.52 10.57
2. Appropriate for my skill level at that time	685.013 . . .	5096.78 19.03 26.98 69.77	13797 51.51 73.02 70.82	18893.7 70.53
3. Below my skill level at that time	198.116 . . .	1449.93 5.41 28.64 19.85	3613.32 13.49 71.36 18.55	5063.26 18.90
Total	. .	7305.05 27.27	19482.5 72.73	26787.5 100.00
Frequency Missing = 1255.2281333				

Statistics for Table of Q13 by developmental

Statistic	DF	Value	Prob
Chi-Square	2	5.9160	0.0519
Likelihood Ratio Chi-Square	2	5.8709	0.0531
Mantel-Haenszel Chi-Square	1	4.4758	0.0344
Phi Coefficient		0.0149	
Contingency Coefficient		0.0149	
Cramer's V		0.0149	

Effective Sample Size = 26787.510854
Frequency Missing = 1255.2281333

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2). Respondents to Q13 responding "N.A." (Q13 = 4) were excluded from this table.

Table of Q13 by generation				
Q13(q13. I enrolled in Eng course indicated ... felt course level was...)	**generation(1st Generation: 1 = 1st Gen, 2 = Not 1st Gen)**			
Frequency Percent Row Pct Col Pct	.	First-Generation	Not First-Generation	Total
.	75.2296 . . .	84.7179 . . .	102.963 . . .	. .
1. Above my skill level at that time	926.63 . . .	853.73 4.17 42.41 10.53	1159.35 5.66 57.59 9.36	2013.08 9.82
2. Appropriate for my skill level at that time	5059.93 . . .	5855.49 28.57 40.33 72.21	8663.33 42.27 59.67 69.95	14518.8 70.84
3. Below my skill level at that time	1299.37 . . .	1399.63 6.83 35.33 17.26	2562.37 12.50 64.67 20.69	3962.01 19.33
Total	. .	8108.85 39.57	12385 60.43	20493.9 100.00
Frequency Missing = 7548.8415644				

Statistics for Table of Q13 by generation

Statistic	DF	Value	Prob
Chi-Square	2	40.1350	<.0001
Likelihood Ratio Chi-Square	2	40.4892	<.0001
Mantel-Haenszel Chi-Square	1	36.6411	<.0001
Phi Coefficient		0.0443	
Contingency Coefficient		0.0442	
Cramer's V		0.0443	

Effective Sample Size = 20493.897423
Frequency Missing = 7548.8415644

WARNING: 27% of the data are missing.

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2). Respondents to Q13 responding "N.A." (Q13 = 4) were excluded from this table.

Table of Q13 by credit				
Q13(q13. I enrolled in Eng course indicated ... felt course level was...)	credit(Credit Hrs Earned: 1 = 0-29 hrs, 2 = 30+ hrs)			
Frequency Percent Row Pct Col Pct	.	0 to 29 Credits	30+ Credits	Total
.	7.51367 . . .	178.5 . . .	76.897 . . .	. .
1. Above my skill level at that time	61.5767 . . .	1907.35 7.00 66.27 11.30	970.784 3.56 33.73 9.36	2878.13 10.56
2. Appropriate for my skill level at that time	358.144 . . .	12019.3 44.09 62.53 71.18	7201.26 26.41 37.47 69.40	19220.6 70.50
3. Below my skill level at that time	97.1482 . . .	2959.16 10.85 57.30 17.52	2205.06 8.09 42.70 21.25	5164.22 18.94
Total	. .	16885.9 61.94	10377.1 38.06	27263 100.00
Frequency Missing = 779.77938708				

Statistics for Table of Q13 by credit

Statistic	DF	Value	Prob
Chi-Square	2	72.9020	<.0001
Likelihood Ratio Chi-Square	2	72.6311	<.0001
Mantel-Haenszel Chi-Square	1	71.6328	<.0001
Phi Coefficient		0.0517	
Contingency Coefficient		0.0516	
Cramer's V		0.0517	

Effective Sample Size = 27262.9596
Frequency Missing = 779.77938708

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2). Respondents to Q13 responding "N.A." (Q13 = 4) were excluded from this table.

Table of Q13 by Q20						
Q13(q13. I enrolled in Eng course indicated ... felt course level was...)	**Q20(q20. In what range was overall HS GPA)**					
Frequency Percent Row Pct Col Pct	**.**	**1. A**	**2. B**	**3. C**	**4. D or lower**	**Total**
.	47.4974 . . .	32.0595 . . .	129.136 . . .	47.9337 . . .	6.28371 . . .	. .
1. Above my skill level at that time	51.3869 . . .	840.246 3.08 29.09 18.53	1279.31 4.69 44.29 8.97	677.815 2.49 23.47 8.91	90.9502 0.33 3.15 10.36	2888.32 10.59
2. Appropriate for my skill level at that time	359.751 . . .	2792.58 10.24 14.53 61.60	10270 37.65 53.44 72.04	5543.93 20.33 28.85 72.87	612.489 2.25 3.19 69.75	19219 70.46
3. Below my skill level at that time	94.073 . . .	900.504 3.30 17.43 19.86	2706.33 9.92 52.37 18.98	1385.79 5.08 26.82 18.22	174.678 0.64 3.38 19.89	5167.3 18.95
Total	. .	4533.33 16.62	14255.6 52.27	7607.54 27.89	878.117 3.22	27274.6 100.00
Frequency Missing = 768.12136518						

Statistics for Table of Q13 by Q20

Statistic	DF	Value	Prob
Chi-Square	6	392.1770	<.0001
Likelihood Ratio Chi-Square	6	347.5269	<.0001
Mantel-Haenszel Chi-Square	1	39.6909	<.0001
Phi Coefficient		0.1199	
Contingency Coefficient		0.1191	
Cramer's V		0.0848	

Effective Sample Size = 27274.617622
Frequency Missing = 768.12136518

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2). Respondents to Q13 responding "N.A." (Q13 = 4) were excluded from this table.

Table of Q14 by ENRLMENT			
Q14(q14. I enrolled in Math course indicated ... felt course level was...)	**ENRLMENT(Thinking about this current academic term, how would you characterize your enrollment at this college?)**		
Frequency **Percent** **Row Pct** **Col Pct**	**Less than full-time**	**Full-time**	**Total**
.	85 . . .	220 . . .	. .
1. Above my skill level at that time	1032 3.44 25.47 13.69	3020 10.07 74.53 13.45	4052 13.51
2. Appropriate for my skill level at that time	4889 16.30 25.99 64.86	13920 46.41 74.01 62.00	18809 62.72
3. Below my skill level at that time	1617 5.39 22.68 21.45	5513 18.38 77.32 24.55	7130 23.77
Total	7538 25.13	22453 74.87	29991 100.00
Frequency Missing = 305			

Statistics for Table of Q14 by ENRLMENT

Statistic	DF	Value	Prob
Chi-Square	2	30.4557	<.0001
Likelihood Ratio Chi-Square	2	30.9244	<.0001
Mantel-Haenszel Chi-Square	1	17.4016	<.0001
Phi Coefficient		0.0319	
Contingency Coefficient		0.0319	
Cramer's V		0.0319	

Effective Sample Size = 29991
Frequency Missing = 305

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2). Respondents to Q14 responding "N.A." (Q14 = 4) were excluded from this table.

Table of Q14 by SEX				
Q14(q14. I enrolled in Math course indicated ... felt course level was...)		SEX(Sex)		
Frequency Percent Row Pct Col Pct	.	Male	Female	Total
.	7.23397 . . .	123.7 . . .	183.665 . . .	. .
1. Above my skill level at that time	59.3558 . . .	1612.23 5.56 40.56 15.01	2362.33 8.15 59.44 12.94	3974.55 13.71
2. Appropriate for my skill level at that time	166.092 . . .	6503.27 22.43 35.39 60.56	11870.7 40.94 64.61 65.03	18374 63.37
3. Below my skill level at that time	74.5298 . . .	2622.95 9.05 39.47 24.43	4021.82 13.87 60.53 22.03	6644.78 22.92
Total	. .	10738.5 37.04	18254.9 62.96	28993.3 100.00
Frequency Missing = 614.57709405				

Statistics for Table of Q14 by SEX

Statistic	DF	Value	Prob
Chi-Square	2	59.3902	<.0001
Likelihood Ratio Chi-Square	2	59.1280	<.0001
Mantel-Haenszel Chi-Square	1	0.1953	0.6585
Phi Coefficient		0.0453	
Contingency Coefficient		0.0452	
Cramer's V		0.0453	

Effective Sample Size = 28993.309972
Frequency Missing = 614.57709405

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2). Respondents to Q14 responding "N.A." (Q14 = 4) were excluded from this table.

Table of Q14 by stud_age_class				
Q14(q14. I enrolled in Math course indicated ... felt course level was...)	stud_age_class(Age: 1 = Trad Age (18 - 24), 2 = Non-Trad Age (25+))			
Frequency Percent Row Pct Col Pct	.	Traditional-Age	Nontraditional-Age	Total
.	10.2773 . . .	197.344 . . .	106.978 . . .	. .
1. Above my skill level at that time	66.137 . . .	2451.24 8.47 61.78 12.92	1516.54 5.24 38.22 15.19	3967.77 13.71
2. Appropriate for my skill level at that time	206.124 . . .	11432.8 39.49 62.36 60.28	6901.15 23.84 37.64 69.13	18333.9 63.33
3. Below my skill level at that time	72.6538 . . .	5081.43 17.55 76.45 26.79	1565.22 5.41 23.55 15.68	6646.65 22.96
Total	. .	18965.5 65.51	9982.9 34.49	28948.4 100.00
Frequency Missing = 659.51380679				

Statistics for Table of Q14 by stud_age_class

Statistic	DF	Value	Prob
Chi-Square	2	457.2040	<.0001
Likelihood Ratio Chi-Square	2	478.6618	<.0001
Mantel-Haenszel Chi-Square	1	326.9839	<.0001
Phi Coefficient		0.1257	
Contingency Coefficient		0.1247	
Cramer's V		0.1257	

Effective Sample Size = 28948.373259
Frequency Missing = 659.51380679

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2). Respondents to Q14 responding "N.A." (Q14 = 4) were excluded from this table.

Table of Q14 by RERACE

Q14(q14. I enrolled in Math course indicated ... felt course level was...)		RERACE(What is your racial identification)							
Frequency Percent Row Pct Col Pct	.	American Indian or other Native American	Asian, Asian American or Pacific Islander	Native Hawaiian	Black or African American, Non-Hispanic	White, Non-Hispanic	Hispanic, Latino, Spanish	Other	Total
.	9.83309 . . .	2.59143 . . .	19.5127 . . .	1.86636 . . .	48.1302 . . .	151.529 . . .	62.0793 . . .	19.057 . . .	. .
1. Above my skill level at that time	97.9256 . . .	100.518 0.35 2.55 15.76	202.235 0.71 5.14 17.74	5.55954 0.02 0.14 24.14	632.069 2.20 16.06 14.45	2078.31 7.25 52.80 13.03	715.189 2.49 18.17 13.40	202.103 0.70 5.13 16.51	3935.98 13.72
2. Appropriate for my skill level at that time	375.411 . . .	405.812 1.41 2.23 63.61	637.698 2.22 3.51 55.95	12.9589 0.05 0.07 56.28	2777.79 9.68 15.29 63.49	10139.6 35.35 55.82 63.59	3438.09 11.99 18.93 64.41	752.713 2.62 4.14 61.49	18164.7 63.33
3. Below my skill level at that time	137.23 . . .	131.678 0.46 2.00 20.64	299.787 1.05 4.55 26.30	4.50761 0.02 0.07 19.58	965.447 3.37 14.67 22.07	3726.81 12.99 56.62 23.37	1184.44 4.13 17.99 22.19	269.405 0.94 4.09 22.01	6582.08 22.95
Total	. .	638.008 2.22	1139.72 3.97	23.026 0.08	4375.3 15.25	15944.7 55.59	5337.72 18.61	1224.22 4.27	28682.7 100.00
Frequency Missing = 925.16611629									

Statistics for Table of Q14 by RERACE

Statistic	DF	Value	Prob
Chi-Square	12	55.2381	<.0001
Likelihood Ratio Chi-Square	12	53.5536	<.0001
Mantel-Haenszel Chi-Square	1	0.7325	0.3921
Phi Coefficient		0.0439	
Contingency Coefficient		0.0438	
Cramer's V		0.0310	

Effective Sample Size = 28682.720949
Frequency Missing = 925.16611629

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2). Respondents to Q14 responding "N.A." (Q14 = 4) were excluded from this table.

Table of Q14 by developmental				
Q14(q14. I enrolled in Math course indicated ... felt course level was...)	developmental(Developmental: 1 = Non-Developmental, 2 = Developmental)			
Frequency Percent Row Pct Col Pct	.	Non-Developmental	Developmental	Total
.	21.4408 . . .	75.617 . . .	217.542 . . .	. .
1. Above my skill level at that time	171.183 . . .	967.172 3.43 25.04 12.61	2895.56 10.26 74.96 14.09	3862.73 13.69
2. Appropriate for my skill level at that time	666.833 . . .	4907.65 17.39 27.46 63.98	12965.6 45.94 72.54 63.08	17873.2 63.33
3. Below my skill level at that time	232.551 . . .	1795.33 6.36 27.68 23.41	4691.43 16.62 72.32 22.83	6486.76 22.98
Total	. .	7670.15 27.18	20552.6 72.82	28222.7 100.00
Frequency Missing = 1385.1654614				

Statistics for Table of Q14 by developmental

Statistic	DF	Value	Prob
Chi-Square	2	10.4573	0.0054
Likelihood Ratio Chi-Square	2	10.6068	0.0050
Mantel-Haenszel Chi-Square	1	6.6141	0.0101
Phi Coefficient		0.0192	
Contingency Coefficient		0.0192	
Cramer's V		0.0192	

Effective Sample Size = 28222.721604
Frequency Missing = 1385.1654614

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2). Respondents to Q14 responding "N.A." (Q14 = 4) were excluded from this table.

Table of Q14 by generation				
Q14(q14. I enrolled in Math course indicated ... felt course level was...)	**generation(1st Generation: 1 = 1st Gen, 2 = Not 1st Gen)**			
Frequency Percent Row Pct Col Pct	**.**	**First-Generation**	**Not First-Generation**	**Total**
.	80.0579 . . .	75.0353 . . .	159.506 . . .	. .
1. Above my skill level at that time	1149.59 . . .	1216.48 5.56 42.18 14.14	1667.84 7.63 57.82 12.57	2884.32 13.19
2. Appropriate for my skill level at that time	4655.04 . . .	5572.05 25.48 40.13 64.79	8312.98 38.01 59.87 62.64	13885 63.48
3. Below my skill level at that time	1616.94 . . .	1811.54 8.28 35.50 21.06	3290.83 15.05 64.50 24.80	5102.36 23.33
Total	. .	8600.06 39.32	13271.7 60.68	21871.7 100.00
Frequency Missing = 7736.1719518				

Statistics for Table of Q14 by generation

Statistic	DF	Value	Prob
Chi-Square	2	44.8170	<.0001
Likelihood Ratio Chi-Square	2	45.1246	<.0001
Mantel-Haenszel Chi-Square	1	41.4560	<.0001
Phi Coefficient		0.0453	
Contingency Coefficient		0.0452	
Cramer's V		0.0453	

Effective Sample Size = 21871.715114
Frequency Missing = 7736.1719518

WARNING: 26% of the data are missing.

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2). Respondents to Q14 responding "N.A." (Q14 = 4) were excluded from this table.

Table of Q14 by credit				
Q14(q14. I enrolled in Math course indicated ... felt course level was...)	**credit(Credit Hrs Earned: 1 = 0-29 hrs, 2 = 30+ hrs)**			
Frequency **Percent** **Row Pct** **Col Pct**	**.**	**0 to 29 Credits**	**30+ Credits**	**Total**
.	6.69703 . . .	207.591 . . .	100.311 . . .	. .
1. Above my skill level at that time	95.7064 . . .	2509.11 8.72 63.71 14.32	1429.09 4.96 36.29 12.69	3938.2 13.68
2. Appropriate for my skill level at that time	315.93 . . .	11046.9 38.38 60.62 63.05	7177.24 24.94 39.38 63.73	18224.1 63.31
3. Below my skill level at that time	98.1677 . . .	3966.12 13.78 59.90 22.63	2655.02 9.22 40.10 23.58	6621.14 23.00
Total	. .	17522.1 60.88	11261.4 39.12	28783.5 100.00
Frequency Missing = 824.40382839				

Statistics for Table of Q14 by credit

Statistic	DF	Value	Prob
Chi-Square	2	16.4574	0.0003
Likelihood Ratio Chi-Square	2	16.5735	0.0003
Mantel-Haenszel Chi-Square	1	12.6509	0.0004
Phi Coefficient		0.0239	
Contingency Coefficient		0.0239	
Cramer's V		0.0239	

Effective Sample Size = 28783.483237
Frequency Missing = 824.40382839

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2). Respondents to Q14 responding "N.A." (Q14 = 4) were excluded from this table.

Table of Q14 by Q20						
Q14(q14. I enrolled in Math course indicated ... felt course level was...)	**Q20(q20. In what range was overall HS GPA)**					
Frequency **Percent** **Row Pct** **Col Pct**	**.**	**1. A**	**2. B**	**3. C**	**4. D or lower**	**Total**
.	155.89 . . .	29.4696 . . .	76.8133 . . .	42.7521 . . .	9.67423 . . .	. .
1. Above my skill level at that time	78.6477 . . .	921.681 3.19 23.30 19.27	1796.09 6.22 45.41 11.92	1097.39 3.80 27.75 13.59	140.101 0.49 3.54 15.00	3955.26 13.71
2. Appropriate for my skill level at that time	251.152 . . .	2725 9.44 14.90 56.96	9694.06 33.59 53.01 64.36	5265.93 18.25 28.79 65.20	603.928 2.09 3.30 64.68	18288.9 63.38
3. Below my skill level at that time	107.452 . . .	1137.04 3.94 17.20 23.77	3572.04 12.38 54.02 23.72	1713.06 5.94 25.91 21.21	189.719 0.66 2.87 20.32	6611.85 22.91
Total	. .	4783.72 16.58	15062.2 52.20	8076.38 27.99	933.748 3.24	28856 100.00
Frequency Missing = 751.85091801						

Statistics for Table of Q14 by Q20

Statistic	DF	Value	Prob
Chi-Square	6	200.5856	<.0001
Likelihood Ratio Chi-Square	6	191.3297	<.0001
Mantel-Haenszel Chi-Square	1	0.1069	0.7437
Phi Coefficient		0.0834	
Contingency Coefficient		0.0831	
Cramer's V		0.0590	

Effective Sample Size = 28856.036148
Frequency Missing = 751.85091801

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2). Respondents to Q14 responding "N.A." (Q14 = 4) were excluded from this table.

Table of Q15 by ENRLMENT

Q15(q15. During 1st few classes - Eng - instructor advised higher/lower level)	ENRLMENT(Thinking about this current academic term, how would you characterize your enrollment at this college?)		
Frequency Percent Row Pct Col Pct	Less than full-time	Full-time	Total
.	55 . . .	150 . . .	. .
1. Yes, a higher level	1060 3.87 20.88 15.43	4016 14.67 79.12 19.59	5076 18.55
2. Yes, a lower level	527 1.93 26.09 7.67	1493 5.46 73.91 7.28	2020 7.38
3. No, I was not advised to enroll in a higher/lower level class	5284 19.31 26.07 76.90	14988 54.76 73.93 73.12	20272 74.07
Total	6871 25.11	20497 74.89	27368 100.00
Frequency Missing = 205			

Statistics for Table of Q15 by ENRLMENT

Statistic	DF	Value	Prob
Chi-Square	2	59.1174	<.0001
Likelihood Ratio Chi-Square	2	61.0170	<.0001
Mantel-Haenszel Chi-Square	1	52.5816	<.0001
Phi Coefficient		0.0465	
Contingency Coefficient		0.0464	
Cramer's V		0.0465	

Effective Sample Size = 27368
Frequency Missing = 205

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q13 (I enrolled in the English course indicated by my placement test results…; Q13 not = missing). Respondents to Q15 responding "N.A.; I have not enrolled in an English Course at this college" (Q15 = 4) were excluded from this table.

Table of Q15 by SEX				
Q15(q15. During 1st few classes - Eng - instructor advised higher/lower level)		**SEX(Sex)**		
Frequency **Percent** **Row Pct** **Col Pct**	**.**	**Male**	**Female**	**Total**
.	4.33643 . . .	79.8748 . . .	114.827 . . .	. .
1. Yes, a higher level	65.3973 . . .	1847.78 7.01 40.83 18.70	2678 10.16 59.17 16.26	4525.79 17.18
2. Yes, a lower level	25.9781 . . .	886.768 3.37 45.07 8.97	1080.56 4.10 54.93 6.56	1967.33 7.47
3. No, I was not advised to enroll in a higher/lower level class	211.082 . . .	7148.63 27.13 36.00 72.33	12708 48.23 64.00 77.17	19856.7 75.36
Total	. .	9883.18 37.51	16466.6 62.49	26349.8 100.00
Frequency Missing = 501.49578297				

Statistics for Table of Q15 by SEX

Statistic	DF	Value	Prob
Chi-Square	2	88.5712	<.0001
Likelihood Ratio Chi-Square	2	87.3847	<.0001
Mantel-Haenszel Chi-Square	1	55.7221	<.0001
Phi Coefficient		0.0580	
Contingency Coefficient		0.0579	
Cramer's V		0.0580	

Effective Sample Size = 26349.77894
Frequency Missing = 501.49578297

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q13 (I enrolled in the English course indicated by my placement test results…; Q13 not = missing). Respondents to Q15 responding "N.A.; I have not enrolled in an English Course at this college" (Q15 = 4) were excluded from this table.

Table of Q15 by stud_age_class				
Q15(q15. During 1st few classes - Eng - instructor advised higher/lower level)	**stud_age_class(Age: 1 = Trad Age (18 - 24), 2 = Non-Trad Age (25+))**			
Frequency Percent Row Pct Col Pct	**.**	**Traditional-Age**	**Nontraditional-Age**	**Total**
.	7.44572 . . .	116.203 . . .	75.3893 . . .	. .
1. Yes, a higher level	59.6844 . . .	3419.91 12.99 75.47 19.14	1111.59 4.22 24.53 13.15	4531.5 17.22
2. Yes, a lower level	41.6535 . . .	1400.75 5.32 71.77 7.84	550.909 2.09 28.23 6.52	1951.66 7.42
3. No, I was not advised to enroll in a higher/lower level class	231.331 . . .	13044.8 49.56 65.76 73.02	6791.6 25.80 34.24 80.33	19836.4 75.37
Total	. .	17865.5 67.88	8454.1 32.12	26319.6 100.00
Frequency Missing = 531.70651543				

Statistics for Table of Q15 by stud_age_class

Statistic	DF	Value	Prob
Chi-Square	2	174.0922	<.0001
Likelihood Ratio Chi-Square	2	179.8855	<.0001
Mantel-Haenszel Chi-Square	1	173.0284	<.0001
Phi Coefficient		0.0813	
Contingency Coefficient		0.0811	
Cramer's V		0.0813	

Effective Sample Size = 26319.568208
Frequency Missing = 531.70651543

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q13 (I enrolled in the English course indicated by my placement test results…; Q13 not = missing). Respondents to Q15 responding "N.A.; I have not enrolled in an English Course at this college" (Q15 = 4) were excluded from this table.

Table of Q15 by RERACE

Q15(q15. During 1st few classes - Eng - instructor advised higher/lower level)		RERACE(What is your racial identification)			
Frequency Percent Row Pct Col Pct	.	American Indian or other Native American	Asian, Asian American or Pacific Islander	Native Hawaiian	Black or African American, Non-Hispanic
.	4.47902 . . .	1.24995 . . .	25.4312 . . .	1.80158 . . .	30.4249 . . .
1. Yes, a higher level	105.949 . . .	102.683 0.39 2.29 18.78	265.224 1.02 5.91 22.56	6.55762 0.03 0.15 27.62	948.613 3.64 21.15 23.97
2. Yes, a lower level	54.8514 . . .	58.818 0.23 3.03 10.76	157.796 0.61 8.14 13.42	4.83594 0.02 0.25 20.37	406.587 1.56 20.97 10.27
3. No, I was not advised to enroll in a higher/lower level class	450.157 . . .	385.218 1.48 1.96 70.46	752.74 2.89 3.84 64.02	12.3467 0.05 0.06 52.01	2603.11 10.00 13.27 65.76
Total	. .	546.719 2.10	1175.76 4.51	23.7402 0.09	3958.31 15.20
Frequency Missing = 809.99552251					

Table of Q15 by RERACE

Q15(q15. During 1st few classes - Eng - instructor advised higher/lower level)		RERACE(What is your racial identification)			
Frequency Percent Row Pct Col Pct		White, Non-Hispanic	Hispanic, Latino, Spanish	Other	Total
.		105.381 . . .	24.9789 . . .	5.29123 . . .	. .
1. Yes, a higher level		1949.09 7.48 43.46 13.92	954.718 3.67 21.29 18.50	258.352 0.99 5.76 22.12	4485.24 17.22
2. Yes, a lower level		774.392 2.97 39.95 5.53	435.83 1.67 22.48 8.44	100.199 0.38 5.17 8.58	1938.46 7.44
3. No, I was not advised to enroll in a higher/lower level class		11283.4 43.33 57.52 80.56	3771.13 14.48 19.22 73.06	809.612 3.11 4.13 69.31	19617.6 75.33
Total		14006.9 53.79	5161.68 19.82	1168.16 4.49	26041.3 100.00
Frequency Missing = 809.99552251					

Statistics for Table of Q15 by RERACE

Statistic	DF	Value	Prob
Chi-Square	12	557.9781	<.0001
Likelihood Ratio Chi-Square	12	540.1543	<.0001
Mantel-Haenszel Chi-Square	1	46.6084	<.0001
Phi Coefficient		0.1464	
Contingency Coefficient		0.1448	
Cramer's V		0.1035	

Effective Sample Size = 26041.279201
Frequency Missing = 809.99552251

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q13 (I enrolled in the English course indicated by my placement test results…; Q13 not = missing). Respondents to Q15 responding "N.A.; I have not enrolled in an English Course at this college" (Q15 = 4) were excluded from this table.

Table of Q15 by developmental				
Q15(q15. During 1st few classes - Eng - instructor advised higher/lower level)	**developmental(Developmental: 1 = Non-Developmental, 2 = Developmental)**			
Frequency Percent Row Pct Col Pct	**.**	**Non-Developmental**	**Developmental**	**Total**
.	11.7771 . . .	40.8997 . . .	146.361 . . .	. .
1. Yes, a higher level	178.038 . . .	1139.67 4.43 25.82 16.24	3273.48 12.74 74.18 17.52	4413.15 17.17
2. Yes, a lower level	100.048 . . .	402.452 1.57 21.26 5.74	1490.81 5.80 78.74 7.98	1893.26 7.37
3. No, I was not advised to enroll in a higher/lower level class	673.307 . . .	5475.32 21.30 28.23 78.02	13919.1 54.16 71.77 74.50	19394.4 75.46
Total	. .	7017.44 27.30	18683.4 72.70	25700.8 100.00
Frequency Missing = 1150.4311923				

Statistics for Table of Q15 by developmental

Statistic	DF	Value	Prob
Chi-Square	2	48.1482	<.0001
Likelihood Ratio Chi-Square	2	50.0049	<.0001
Mantel-Haenszel Chi-Square	1	20.0782	<.0001
Phi Coefficient		0.0433	
Contingency Coefficient		0.0432	
Cramer's V		0.0433	

Effective Sample Size = 25700.843531
Frequency Missing = 1150.4311923

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q13 (I enrolled in the English course indicated by my placement test results…; Q13 not = missing). Respondents to Q15 responding "N.A.; I have not enrolled in an English Course at this college" (Q15 = 4) were excluded from this table.

Table of Q15 by generation				
Q15(q15. During 1st few classes - Eng - instructor advised higher/lower level)	generation(1st Generation: 1 = 1st Gen, 2 = Not 1st Gen)			
Frequency Percent Row Pct Col Pct	.	First-Generation	Not First-Generation	Total
.	56.2983 . . .	50.8421 . . .	91.8975 . . .	. . . .
1. Yes, a higher level	1344.18 . . .	1262.48 6.41 38.88 16.23	1984.52 10.08 61.12 16.67	3247 16.50
2. Yes, a lower level	716.896 . . .	583.425 2.96 45.71 7.50	692.989 3.52 54.29 5.82	1276.41 6.49
3. No, I was not advised to enroll in a higher/lower level class	4909.52 . . .	5934.37 30.15 39.15 76.27	9223.85 46.87 60.85 77.50	15158.2 77.02
Total	. .	7780.27 39.53	11901.4 60.47	19681.6 100.00
Frequency Missing = 7169.6362491				

Statistics for Table of Q15 by generation

Statistic	DF	Value	Prob
Chi-Square	2	21.8710	<.0001
Likelihood Ratio Chi-Square	2	21.5664	<.0001
Mantel-Haenszel Chi-Square	1	0.5029	0.4782
Phi Coefficient		0.0333	
Contingency Coefficient		0.0333	
Cramer's V		0.0333	

Effective Sample Size = 19681.638474
Frequency Missing = 7169.6362491

WARNING: 27% of the data are missing.

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q13 (I enrolled in the English course indicated by my placement test results…; Q13 not = missing). Respondents to Q15 responding "N.A.; I have not enrolled in an English Course at this college" (Q15 = 4) were excluded from this table.

Table of Q15 by credit				
Q15(q15. During 1st few classes - Eng - instructor advised higher/lower level)	credit(Credit Hrs Earned: 1 = 0-29 hrs, 2 = 30+ hrs)			
Frequency Percent Row Pct Col Pct	.	0 to 29 Credits	30+ Credits	Total
.	14.2456 . . .	127.848 . . .	56.9447 . . .	. .
1. Yes, a higher level	74.7466 . . .	2619.41 10.01 58.00 16.29	1897.03 7.25 42.00 18.81	4516.44 17.26
2. Yes, a lower level	32.3544 . . .	1320.61 5.05 67.35 8.21	640.343 2.45 32.65 6.35	1960.96 7.50
3. No, I was not advised to enroll in a higher/lower level class	381.767 . . .	12137.9 46.39 61.66 75.49	7548.08 28.85 38.34 74.84	19686 75.24
Total	. .	16077.9 61.45	10085.4 38.55	26163.4 100.00
Frequency Missing = 687.90596019				

Statistics for Table of Q15 by credit

Statistic	DF	Value	Prob
Chi-Square	2	51.8577	<.0001
Likelihood Ratio Chi-Square	2	52.2651	<.0001
Mantel-Haenszel Chi-Square	1	10.5788	0.0011
Phi Coefficient		0.0445	
Contingency Coefficient		0.0445	
Cramer's V		0.0445	

Effective Sample Size = 26163.368763
Frequency Missing = 687.90596019

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q13 (I enrolled in the English course indicated by my placement test results…; Q13 not = missing). Respondents to Q15 responding "N.A.; I have not enrolled in an English Course at this college" (Q15 = 4) were excluded from this table.

Table of Q15 by Q13				
Q15(q15. During 1st few classes - Eng - instructor advised higher/lower level)	**Q13(q13. I enrolled in Eng course indicated ... felt course level was...)**			
Frequency Percent Row Pct Col Pct	**1. Above my skill level at that time**	**2. Appropriate for my skill level at that time**	**3. Below my skill level at that time**	**Total**
.	32.9877 . . .	131.239 . . .	34.8115 . . .	. .
1. Yes, a higher level	990.427 3.72 21.57 35.76	2508.34 9.41 54.63 13.30	1092.42 4.10 23.79 21.76	4591.19 17.23
2. Yes, a lower level	420.882 1.58 21.11 15.20	1132.34 4.25 56.81 6.00	440.092 1.65 22.08 8.76	1993.31 7.48
3. No, I was not advised to enroll in a higher/lower level class	1358.18 5.10 6.77 49.04	15220.7 57.11 75.85 80.70	3488.86 13.09 17.39 69.48	20067.7 75.29
Total	2769.49 10.39	18861.4 70.77	5021.37 18.84	26652.2 100.00
Frequency Missing = 199.03791561				

Statistics for Table of Q15 by Q13

Statistic	DF	Value	Prob
Chi-Square	4	1416.8411	<.0001
Likelihood Ratio Chi-Square	4	1281.6679	<.0001
Mantel-Haenszel Chi-Square	1	116.3282	<.0001
Phi Coefficient		0.2306	
Contingency Coefficient		0.2247	
Cramer's V		0.1630	

Effective Sample Size = 26652.236808
Frequency Missing = 199.03791561

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q13 (I enrolled in the English course indicated by my placement test results…; Q13 not = missing). Respondents to Q15 responding "N.A.; I have not enrolled in an English Course at this college" (Q15 = 4) were excluded from this table.

Table of Q16 by ENRLMENT			
Q16(q16. During 1st few classes - Math - instructor advised higher/lower level)	**ENRLMENT(Thinking about this current academic term, how would you characterize your enrollment at this college?)**		
Frequency **Percent** **Row Pct** **Col Pct**	**Less than full-time**	**Full-time**	**Total**
.	31 . . .	84 . . .	. .
1. Yes, a higher level	980 3.37 20.47 13.52	3807 13.08 79.53 17.42	4787 16.45
2. Yes, a lower level	672 2.31 26.54 9.27	1860 6.39 73.46 8.51	2532 8.70
3. No, I was not advised to enroll in a higher/lower level class	5594 19.23 25.69 77.20	16182 55.62 74.31 74.06	21776 74.84
Total	7246 24.90	21849 75.10	29095 100.00
Frequency Missing = 115			

Statistics for Table of Q16 by ENRLMENT

Statistic	DF	Value	Prob
Chi-Square	2	61.0713	<.0001
Likelihood Ratio Chi-Square	2	63.1955	<.0001
Mantel-Haenszel Chi-Square	1	47.1147	<.0001
Phi Coefficient		0.0458	
Contingency Coefficient		0.0458	
Cramer's V		0.0458	

Effective Sample Size = 29095
Frequency Missing = 115

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q14 (I enrolled in the math course indicated by my placement test results…; Q14 not = missing). Respondents to Q16 responding "N.A.; I have not enrolled in an math course at this college" (Q16 = 4) were excluded from this table.

Table of Q16 by SEX				
Q16(q16. During 1st few classes - Math - instructor advised higher/lower level)		**SEX(Sex)**		
Frequency Percent Row Pct Col Pct	**.**	**Male**	**Female**	**Total**
.	1.45963 . . .	49.3096 . . .	60.5262 . . .	. .
1. Yes, a higher level	40.7804 . . .	1768.24 6.31 41.51 17.09	2491.09 8.88 58.49 14.08	4259.33 15.19
2. Yes, a lower level	45.6448 . . .	1052.14 3.75 41.67 10.17	1473.03 5.25 58.33 8.32	2525.17 9.00
3. No, I was not advised to enroll in a higher/lower level class	204.156 . . .	7526.64 26.84 35.40 72.74	13733.7 48.97 64.60 77.60	21260.3 75.81
Total	. .	10347 36.89	17697.8 63.11	28044.8 100.00
Frequency Missing = 401.87614667				

Statistics for Table of Q16 by SEX

Statistic	DF	Value	Prob
Chi-Square	2	84.0721	<.0001
Likelihood Ratio Chi-Square	2	83.1941	<.0001
Mantel-Haenszel Chi-Square	1	74.5964	<.0001
Phi Coefficient		0.0548	
Contingency Coefficient		0.0547	
Cramer's V		0.0548	

Effective Sample Size = 28044.802602
Frequency Missing = 401.87614667

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q14 (I enrolled in the math course indicated by my placement test results…; Q14 not = missing). Respondents to Q16 responding "N.A.; I have not enrolled in a math course at this college" (Q16 = 4) were excluded from this table.

Table of Q16 by stud_age_class				
Q16(q16. During 1st few classes - Math - instructor advised higher/lower level)	**stud_age_class(Age: 1 = Trad Age (18 - 24), 2 = Non-Trad Age (25+))**			
Frequency **Percent** **Row Pct** **Col Pct**	**.**	**Traditional-Age**	**Nontraditional-Age**	**Total**
.	6.85082 . . .	63.6127 . . .	40.8319 . . .	. .
1. Yes, a higher level	48.2253 . . .	3186.75 11.38 74.95 17.36	1065.14 3.80 25.05 11.03	4251.89 15.18
2. Yes, a lower level	47.5617 . . .	1761.74 6.29 69.82 9.60	761.515 2.72 30.18 7.89	2523.25 9.01
3. No, I was not advised to enroll in a higher/lower level class	229.911 . . .	13408.3 47.87 63.14 73.04	7826.25 27.94 36.86 81.08	21234.5 75.81
Total	. .	18356.8 65.54	9652.9 34.46	28009.7 100.00
Frequency Missing = 436.99383904				

Statistics for Table of Q16 by stud_age_class

Statistic	DF	Value	Prob
Chi-Square	2	241.1122	<.0001
Likelihood Ratio Chi-Square	2	250.0088	<.0001
Mantel-Haenszel Chi-Square	1	240.5360	<.0001
Phi Coefficient		0.0928	
Contingency Coefficient		0.0924	
Cramer's V		0.0928	

Effective Sample Size = 28009.684909
Frequency Missing = 436.99383904

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q14 (I enrolled in the math course indicated by my placement test results…; Q14 not = missing). Respondents to Q16 responding "N.A.; I have not enrolled in a math course at this college" (Q16 = 4) were excluded from this table.

Table of Q16 by RERACE

Q16(q16. During 1st few classes - Math - instructor advised higher/lower level)		RERACE(What is your racial identification)			
Frequency Percent Row Pct Col Pct	.	American Indian or other Native American	Asian, Asian American or Pacific Islander	Native Hawaiian	Black or African American, Non-Hispanic
.	1.86404 . . .	1.93515 . . .	7.84446 . . .	0 . . .	20.8923 . . .
1. Yes, a higher level	69.2983 . . .	101.796 0.37 2.41 16.37	250.764 0.90 5.93 23.37	3.29711 0.01 0.08 15.98	874.399 3.15 20.67 20.77
2. Yes, a lower level	66.5226 . . .	71.8731 0.26 2.87 11.56	118.12 0.43 4.72 11.01	5.00184 0.02 0.20 24.24	542.578 1.95 21.67 12.89
3. No, I was not advised to enroll in a higher/lower level class	439.521 . . .	448.143 1.61 2.13 72.07	704.122 2.54 3.35 65.62	12.335 0.04 0.06 59.78	2793.85 10.06 13.29 66.35
Total	. .	621.812 2.24	1073.01 3.87	20.6339 0.07	4210.83 15.17
Frequency Missing = 686.63725792					

Table of Q16 by RERACE

Q16(q16. During 1st few classes - Math - instructor advised higher/lower level)	RERACE(What is your racial identification)			
Frequency Percent Row Pct Col Pct	White, Non-Hispanic	Hispanic, Latino, Spanish	Other	Total
.	53.2967 . . .	22.4127 . . .	3.0501 . . .	. .
1. Yes, a higher level	1911.15 6.88 45.17 12.34	900.153 3.24 21.28 17.45	189.259 0.68 4.47 15.93	4230.81 15.24
2. Yes, a lower level	1183.48 4.26 47.26 7.64	473.63 1.71 18.91 9.18	109.61 0.39 4.38 9.23	2504.29 9.02
3. No, I was not advised to enroll in a higher/lower level class	12394.1 44.65 58.95 80.02	3783.5 13.63 18.00 73.36	888.877 3.20 4.23 74.84	21024.9 75.74
Total	15488.7 55.80	5157.29 18.58	1187.75 4.28	27760 100.00
Frequency Missing = 686.63725792				

Statistics for Table of Q16 by RERACE

Statistic	DF	Value	Prob
Chi-Square	12	457.7362	<.0001
Likelihood Ratio Chi-Square	12	441.1992	<.0001
Mantel-Haenszel Chi-Square	1	62.3164	<.0001
Phi Coefficient		0.1284	
Contingency Coefficient		0.1274	
Cramer's V		0.0908	

Effective Sample Size = 27760.041491
Frequency Missing = 686.63725792

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q14 (I enrolled in the math course indicated by my placement test results…; Q14 not = missing). Respondents to Q16 responding "N.A.; I have not enrolled in a math course at this college" (Q16 = 4) were excluded from this table.

Table of Q16 by developmental				
Q16(q16. During 1st few classes - Math - instructor advised higher/lower level)	**developmental(Developmental: 1 = Non-Developmental, 2 = Developmental)**			
Frequency Percent Row Pct Col Pct	**.**	**Non-Developmental**	**Developmental**	**Total**
.	5.16015 . . .	25.9803 . . .	80.1549 . . .	. .
1. Yes, a higher level	150.586 . . .	1081.1 3.96 26.05 14.58	3068.43 11.24 73.95 15.43	4149.53 15.20
2. Yes, a lower level	124.018 . . .	594.171 2.18 24.28 8.01	1852.63 6.79 75.72 9.32	2446.8 8.96
3. No, I was not advised to enroll in a higher/lower level class	759.162 . . .	5738.65 21.02 27.72 77.40	14966.6 54.82 72.28 75.26	20705.3 75.84
Total	. .	7413.93 27.16	19887.7 72.84	27301.6 100.00
Frequency Missing = 1145.0609858				

Statistics for Table of Q16 by developmental

Statistic	DF	Value	Prob
Chi-Square	2	16.0358	0.0003
Likelihood Ratio Chi-Square	2	16.2851	0.0003
Mantel-Haenszel Chi-Square	1	8.9250	0.0028
Phi Coefficient		0.0242	
Contingency Coefficient		0.0242	
Cramer's V		0.0242	

Effective Sample Size = 27301.617763
Frequency Missing = 1145.0609858

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q14 (I enrolled in the math course indicated by my placement test results…; Q14 not = missing). Respondents to Q16 responding "N.A.; I have not enrolled in a math course at this college" (Q16 = 4) were excluded from this table.

Table of Q16 by generation				
Q16(q16. During 1st few classes - Math - instructor advised higher/lower level)	**generation(1st Generation: 1 = 1st Gen, 2 = Not 1st Gen)**			
Frequency **Percent** **Row Pct** **Col Pct**	**.**	**First-Generation**	**Not First-Generation**	**Total**
.	31.1951 . . .	36.2763 . . .	43.824 . . .	. .
1. Yes, a higher level	1266.26 . . .	1238.04 5.84 40.81 14.87	1795.81 8.47 59.19 13.96	3033.85 14.32
2. Yes, a lower level	814.643 . . .	739.321 3.49 42.10 8.88	1016.85 4.80 57.90 7.90	1756.17 8.29
3. No, I was not advised to enroll in a higher/lower level class	5061.94 . . .	6347.17 29.95 38.70 76.25	10055.3 47.45 61.30 78.14	16402.5 77.40
Total	. .	8324.53 39.28	12868 60.72	21192.5 100.00
Frequency Missing = 7254.1428743				

Statistics for Table of Q16 by generation

Statistic	DF	Value	Prob
Chi-Square	2	11.1597	0.0038
Likelihood Ratio Chi-Square	2	11.1053	0.0039
Mantel-Haenszel Chi-Square	1	7.6985	0.0055
Phi Coefficient		0.0229	
Contingency Coefficient		0.0229	
Cramer's V		0.0229	

Effective Sample Size = 21192.535874
Frequency Missing = 7254.1428743

WARNING: 26% of the data are missing.

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q14 (I enrolled in the math course indicated by my placement test results…; Q14 not = missing). Respondents to Q16 responding "N.A.; I have not enrolled in a math course at this college" (Q16 = 4) were excluded from this table.

Table of Q16 by credit				
Q16(q16. During 1st few classes - Math - instructor advised higher/lower level)		**credit(Credit Hrs Earned: 1 = 0-29 hrs, 2 = 30+ hrs)**		
Frequency **Percent** **Row Pct** **Col Pct**	**.**	**0 to 29 Credits**	**30+ Credits**	**Total**
.	7.00641 . . .	67.9035 . . .	36.3854 . . .	. .
1. Yes, a higher level	51.4435 . . .	2564.51 9.21 60.36 15.25	1684.16 6.05 39.64 15.27	4248.67 15.26
2. Yes, a lower level	65.0717 . . .	1612.96 5.79 64.37 9.59	892.785 3.21 35.63 8.09	2505.74 9.00
3. No, I was not advised to enroll in a higher/lower level class	375.826 . . .	12635.1 45.38 59.91 75.15	8453.51 30.36 40.09 76.64	21088.6 75.74
Total	. .	16812.6 60.38	11030.5 39.62	27843 100.00
Frequency Missing = 603.6361697				

Statistics for Table of Q16 by credit

Statistic	DF	Value	Prob
Chi-Square	2	18.5916	<.0001
Likelihood Ratio Chi-Square	2	18.8037	<.0001
Mantel-Haenszel Chi-Square	1	2.6463	0.1038
Phi Coefficient		0.0258	
Contingency Coefficient		0.0258	
Cramer's V		0.0258	

Effective Sample Size = 27843.042579
Frequency Missing = 603.6361697

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q14 (I enrolled in the math course indicated by my placement test results…; Q14 not = missing). Respondents to Q16 responding "N.A.; I have not enrolled in a math course at this college" (Q16 = 4) were excluded from this table.

Table of Q16 by Q14				
Q16(q16. During 1st few classes - Math - instructor advised higher/lower level)	**Q14(q14. I enrolled in Math course indicated ... felt course level was...)**			
Frequency Percent Row Pct Col Pct	1. Above my skill level at that time	2. Appropriate for my skill level at that time	3. Below my skill level at that time	Total
.	32.526 . . .	53.4952 . . .	25.2741 . . .	. .
1. Yes, a higher level	973.421 3.44 22.64 25.20	2029.52 7.16 47.20 11.27	1297.17 4.58 30.17 20.08	4300.11 15.18
2. Yes, a lower level	557.414 1.97 21.68 14.43	1334.77 4.71 51.92 7.41	678.633 2.40 26.40 10.51	2570.81 9.07
3. No, I was not advised to enroll in a higher/lower level class	2332.36 8.23 10.87 60.37	14649.4 51.70 68.25 81.32	4482.67 15.82 20.88 69.41	21464.5 75.75
Total	3863.19 13.63	18013.7 63.57	6458.47 22.79	28335.4 100.00
Frequency Missing = 111.29534793				

Statistics for Table of Q16 by Q14

Statistic	DF	Value	Prob
Chi-Square	4	960.0789	<.0001
Likelihood Ratio Chi-Square	4	918.2255	<.0001
Mantel-Haenszel Chi-Square	1	11.8393	0.0006
Phi Coefficient		0.1841	
Contingency Coefficient		0.1810	
Cramer's V		0.1302	

Effective Sample Size = 28335.383401
Frequency Missing = 111.29534793

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q14 (I enrolled in the math course indicated by my placement test results…; Q14 not = missing). Respondents to Q16 responding "N.A.; I have not enrolled in a math course at this college" (Q16 = 4) were excluded from this table.

Table of Q17 by ENRLMENT			
Q17(q17. At this college, enrolled in col-level Eng & dev Eng at same time)	**ENRLMENT(Thinking about this current academic term, how would you characterize your enrollment at this college?)**		
Frequency Percent Row Pct Col Pct	**Less than full-time**	**Full-time**	**Total**
.	163 . . .	430 . . .	. .
1. Yes	2696 9.69 23.76 38.33	8650 31.07 76.24 41.58	11346 40.76
2. No	4338 15.58 26.31 61.67	12152 43.66 73.69 58.42	16490 59.24
Total	7034 25.27	20802 74.73	27836 100.00
Frequency Missing = 593			

Statistics for Table of Q17 by ENRLMENT

Statistic	DF	Value	Prob
Chi-Square	1	23.0567	<.0001
Likelihood Ratio Chi-Square	1	23.1599	<.0001
Continuity Adj. Chi-Square	1	22.9222	<.0001
Mantel-Haenszel Chi-Square	1	23.0559	<.0001
Phi Coefficient		-0.0288	
Contingency Coefficient		0.0288	
Cramer's V		-0.0288	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	2696
Left-sided Pr <= F	<.0001
Right-sided Pr >= F	1.0000
Table Probability (P)	<.0001
Two-sided Pr <= P	<.0001

Effective Sample Size = 27836
Frequency Missing = 593

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q13 (I enrolled in the math course indicated by my placement test results…; Q13 not = missing).

Table of Q17 by SEX				
Q17(q17. At this college, enrolled in col-level Eng & dev Eng at same time)	**SEX(Sex)**			
Frequency Percent Row Pct Col Pct	**.**	**Male**	**Female**	**Total**
.	10.6231 . . .	298.374 . . .	279.587 . . .	. .
1. Yes	134.298 . . .	4161.49 15.48 38.84 41.46	6552.64 24.37 61.16 38.90	10714.1 39.85
2. No	172.339 . . .	5876.12 21.86 36.34 58.54	10294.4 38.29 63.66 61.10	16170.5 60.15
Total	. .	10037.6 37.34	16847 62.66	26884.6 100.00
Frequency Missing = 895.22120586				

Statistics for Table of Q17 by SEX

Statistic	DF	Value	Prob
Chi-Square	1	17.2505	<.0001
Likelihood Ratio Chi-Square	1	17.2216	<.0001
Continuity Adj. Chi-Square	1	17.1437	<.0001
Mantel-Haenszel Chi-Square	1	17.2498	<.0001
Phi Coefficient		0.0253	
Contingency Coefficient		0.0253	
Cramer's V		0.0253	

Effective Sample Size = 26884.607287
Frequency Missing = 895.22120586

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q13 (I enrolled in the math course indicated by my placement test results…; Q13 not = missing).

Table of Q17 by stud_age_class				
Q17(q17. At this college, enrolled in col-level Eng & dev Eng at same time)	**stud_age_class(Age: 1 = Trad Age (18 - 24), 2 = Non-Trad Age (25+))**			
Frequency Percent Row Pct Col Pct	**.**	**Traditional-Age**	**Nontraditional-Age**	**Total**
.	14.8821 . . .	438.446 . . .	135.256 . . .	. .
1. Yes	154.106 . . .	7588.13 28.26 70.95 41.89	3106.19 11.57 29.05 35.54	10694.3 39.82
2. No	183.064 . . .	10527.1 39.20 65.14 58.11	5632.7 20.98 34.86 64.46	16159.8 60.18
Total	. .	18115.2 67.46	8738.89 32.54	26854.1 100.00
Frequency Missing = 925.75465893				

Statistics for Table of Q17 by stud_age_class

Statistic	DF	Value	Prob
Chi-Square	1	98.9958	<.0001
Likelihood Ratio Chi-Square	1	99.7318	<.0001
Continuity Adj. Chi-Square	1	98.7313	<.0001
Mantel-Haenszel Chi-Square	1	98.9921	<.0001
Phi Coefficient		0.0607	
Contingency Coefficient		0.0606	
Cramer's V		0.0607	

Effective Sample Size = 26854.073834
Frequency Missing = 925.75465893

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q13 (I enrolled in the math course indicated by my placement test results…; Q13 not = missing).

Table of Q17 by RERACE									
Q17(q17. At this college, enrolled in col-level Eng & dev Eng at same time)					**RERACE(What is your racial identification)**				
Frequency Percent Row Pct Col Pct	**.**	**American Indian or other Native American**	**Asian, Asian American or Pacific Islander**	**Native Hawaiian**	**Black or African American, Non-Hispanic**	**White, Non-Hispanic**	**Hispanic, Latino, Spanish**	**Other**	**Total**
.	15.0762	13.6135 . . .	41.2927 . . .	2.98638 . . .	96.0909 . . .	271.921 . . .	115.681 . . .	31.9228 . . .	. .
1. Yes	268.631 . . .	240.979 0.91 2.28 43.14	568.146 2.14 5.37 47.29	11.3082 0.04 0.11 47.65	1979.38 7.45 18.71 48.72	4887.52 18.41 46.20 34.24	2381.03 8.97 22.51 45.31	511.429 1.93 4.83 43.36	10579.8 39.84
2. No	367.532 . . .	317.603 1.20 1.99 56.86	633.385 2.39 3.96 52.71	12.4247 0.05 0.08 52.35	2083.6 7.85 13.04 51.28	9386.23 35.35 58.75 65.76	2873.88 10.82 17.99 54.69	668.162 2.52 4.18 56.64	15975.3 60.16
Total	. .	558.582 2.10	1201.53 4.52	23.7329 0.09	4062.98 15.30	14273.7 53.75	5254.92 19.79	1179.59 4.44	26555.1 100.00
Frequency Missing = 1224.747073									

Statistics for Table of Q17 by RERACE

Statistic	DF	Value	Prob
Chi-Square	6	422.8993	<.0001
Likelihood Ratio Chi-Square	6	422.3954	<.0001
Mantel-Haenszel Chi-Square	1	13.9915	0.0002
Phi Coefficient		0.1262	
Contingency Coefficient		0.1252	
Cramer's V		0.1262	

Effective Sample Size = 26555.08142
Frequency Missing = 1224.747073

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q13 (I enrolled in the math course indicated by my placement test results…; Q13 not = missing).

Table of Q17 by developmental				
Q17(q17. At this college, enrolled in col-level Eng & dev Eng at same time)	**developmental(Developmental: 1 = Non-Developmental, 2 = Developmental)**			
Frequency Percent Row Pct Col Pct	**.**	**Non-Developmental**	**Developmental**	**Total**
.	33.606 . . .	159.013 . . .	395.965 . . .	. .
1. Yes	422.62 . . .	2423.78 9.24 23.25 33.92	8002.02 30.50 76.75 41.93	10425.8 39.74
2. No	536.091 . . .	4722.25 18.00 29.87 66.08	11084.5 42.25 70.13 58.07	15806.7 60.26
Total	. .	7146.04 27.24	19086.5 72.76	26232.5 100.00
Frequency Missing = 1547.2959266				

Statistics for Table of Q17 by developmental

Statistic	DF	Value	Prob
Chi-Square	1	139.2008	<.0001
Likelihood Ratio Chi-Square	1	140.9630	<.0001
Continuity Adj. Chi-Square	1	138.8667	<.0001
Mantel-Haenszel Chi-Square	1	139.1955	<.0001
Phi Coefficient		-0.0728	
Contingency Coefficient		0.0727	
Cramer's V		-0.0728	

Effective Sample Size = 26232.532567
Frequency Missing = 1547.2959266

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q13 (I enrolled in the math course indicated by my placement test results…; Q13 not = missing).

Table of Q17 by generation				
Q17(q17. At this college, enrolled in col-level Eng & dev Eng at same time)	**generation(1st Generation: 1 = 1st Gen, 2 = Not 1st Gen)**			
Frequency Percent Row Pct Col Pct	**.**	**First-Generation**	**Not First-Generation**	**Total**
.	177.931 . . .	142.193 . . .	268.46 . . .	. .
1. Yes	3281.16 . . .	3219.03 16.03 42.54 40.41	4348.24 21.65 57.46 35.89	7567.27 37.68
2. No	3826.84 . . .	4747.63 23.64 37.93 59.59	7768.34 38.68 62.07 64.11	12516 62.32
Total	. .	7966.66 39.67	12116.6 60.33	20083.2 100.00
Frequency Missing = 7696.5844765				

Statistics for Table of Q17 by generation

Statistic	DF	Value	Prob
Chi-Square	1	41.8098	<.0001
Likelihood Ratio Chi-Square	1	41.6944	<.0001
Continuity Adj. Chi-Square	1	41.6176	<.0001
Mantel-Haenszel Chi-Square	1	41.8078	<.0001
Phi Coefficient		0.0456	
Contingency Coefficient		0.0456	
Cramer's V		0.0456	

Effective Sample Size = 20083.244017
Frequency Missing = 7696.5844765

WARNING: 28% of the data are missing.

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q13 (I enrolled in the math course indicated by my placement test results…; Q13 not = missing).

Table of Q17 by credit				
Q17(q17. At this college, enrolled in col-level Eng & dev Eng at same time)	credit(Credit Hrs Earned: 1 = 0-29 hrs, 2 = 30+ hrs)			
Frequency Percent Row Pct Col Pct	.	0 to 29 Credits	30+ Credits	Total
.	14.1408 . . .	380.222 . . .	194.222 . . .	. .
1. Yes	211.423 . . .	6615.58 24.79 62.19 40.08	4021.42 15.07 37.81 39.49	10637 39.86
2. No	291.305 . . .	9890.05 37.06 61.61 59.92	6161.46 23.09 38.39 60.51	16051.5 60.14
Total	. .	16505.6 61.85	10182.9 38.15	26688.5 100.00
Frequency Missing = 1091.3123634				

Statistics for Table of Q17 by credit

Statistic	DF	Value	Prob
Chi-Square	1	0.9108	0.3399
Likelihood Ratio Chi-Square	1	0.9111	0.3398
Continuity Adj. Chi-Square	1	0.8864	0.3465
Mantel-Haenszel Chi-Square	1	0.9107	0.3399
Phi Coefficient		0.0058	
Contingency Coefficient		0.0058	
Cramer's V		0.0058	

Effective Sample Size = 26688.51613
Frequency Missing = 1091.3123634

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q13 (I enrolled in the math course indicated by my placement test results…; Q13 not = missing).

Table of Q18 by ENRLMENT			
Q18(q18. At this college, enrolled in col-level Math & dev Eng at same time)	**ENRLMENT(Thinking about this current academic term, how would you characterize your enrollment at this college?)**		
Frequency Percent Row Pct Col Pct	**Less than full-time**	**Full-time**	**Total**
.	120 . . .	340 . . .	. .
1. Yes	2204 7.46 22.90 29.71	7420 25.13 77.10 33.55	9624 32.59
2. No	5214 17.66 26.19 70.29	14693 49.75 73.81 66.45	19907 67.41
Total	7418 25.12	22113 74.88	29531 100.00
Frequency Missing = 460			

Statistics for Table of Q18 by ENRLMENT

Statistic	DF	Value	Prob
Chi-Square	1	37.3495	<.0001
Likelihood Ratio Chi-Square	1	37.7565	<.0001
Continuity Adj. Chi-Square	1	37.1747	<.0001
Mantel-Haenszel Chi-Square	1	37.3482	<.0001
Phi Coefficient		-0.0356	
Contingency Coefficient		0.0355	
Cramer's V		-0.0356	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	2204
Left-sided Pr <= F	<.0001
Right-sided Pr >= F	1.0000
Table Probability (P)	<.0001
Two-sided Pr <= P	<.0001

Effective Sample Size = 29531
Frequency Missing = 460

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q14 (I enrolled in the math course indicated by my placement test results…; Q14 not = missing).

Table of Q18 by SEX				
Q18(q18. At this college, enrolled in col-level Math & dev Eng at same time)	**SEX(Sex)**			
Frequency Percent Row Pct Col Pct	**.**	**Male**	**Female**	**Total**
.	2.2364 . . .	241.326 . . .	202.297 . . .	. .
1. Yes	81.2896 . . .	3467.54 12.15 38.78 33.03	5473.48 19.17 61.22 30.32	8941.02 31.32
2. No	216.452 . . .	7029.59 24.62 35.85 66.97	12579.1 44.06 64.15 69.68	19608.7 68.68
Total	. .	10497.1 36.77	18052.6 63.23	28549.7 100.00
Frequency Missing = 743.60062939				

Statistics for Table of Q18 by SEX

Statistic	DF	Value	Prob
Chi-Square	1	22.7222	<.0001
Likelihood Ratio Chi-Square	1	22.6341	<.0001
Continuity Adj. Chi-Square	1	22.5962	<.0001
Mantel-Haenszel Chi-Square	1	22.7214	<.0001
Phi Coefficient		0.0282	
Contingency Coefficient		0.0282	
Cramer's V		0.0282	

Effective Sample Size = 28549.687084
Frequency Missing = 743.60062939

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q14 (I enrolled in the math course indicated by my placement test results…; Q14 not = missing).

Table of Q18 by stud_age_class				
Q18(q18. At this college, enrolled in col-level Math & dev Eng at same time)	stud_age_class(Age: 1 = Trad Age (18 - 24), 2 = Non-Trad Age (25+))			
Frequency Percent Row Pct Col Pct	.	Traditional-Age	Nontraditional-Age	Total
.	6.7256 . . .	333.448 . . .	105.686 . . .	. .
1. Yes	114.152 . . .	6136.01 21.52 68.88 32.93	2772.15 9.72 31.12 28.07	8908.16 31.25
2. No	224.036 . . .	12496 43.83 63.75 67.07	7105.07 24.92 36.25 71.93	19601.1 68.75
Total	. .	18632 65.35	9877.22 34.65	28509.2 100.00
Frequency Missing = 784.04814096				

Statistics for Table of Q18 by stud_age_class

Statistic	DF	Value	Prob
Chi-Square	1	71.1622	<.0001
Likelihood Ratio Chi-Square	1	71.8537	<.0001
Continuity Adj. Chi-Square	1	70.9358	<.0001
Mantel-Haenszel Chi-Square	1	71.1597	<.0001
Phi Coefficient		0.0500	
Contingency Coefficient		0.0499	
Cramer's V		0.0500	

Effective Sample Size = 28509.239572
Frequency Missing = 784.04814096

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q14 (I enrolled in the math course indicated by my placement test results…; Q14 not = missing).

Table of Q18 by RERACE									
Q18(q18. At this college, enrolled in col-level Math & dev Eng at same time)		**RERACE(What is your racial identification)**							
Frequency Percent Row Pct Col Pct	**.**	**American Indian or other Native American**	**Asian, Asian American or Pacific Islander**	**Native Hawaiian**	**Black or African American, Non-Hispanic**	**White, Non-Hispanic**	**Hispanic, Latino, Spanish**	**Other**	**Total**
.	6.63159 . . .	10.3726 . . .	28.0737 . . .	3.57109 . . .	95.3501 . . .	189.145 . . .	86.4729 . . .	26.2421 . . .	. .
1. Yes	185.459 . . .	210.115 0.74 2.38 33.48	439.049 1.55 4.97 39.50	5.34175 0.02 0.06 27.46	1649.35 5.84 18.66 38.54	4290.76 15.19 48.56 27.23	1841.45 6.52 20.84 35.07	400.79 1.42 4.54 33.46	8836.85 31.29
2. No	418.476 . . .	417.52 1.48 2.15 66.52	672.598 2.38 3.47 60.50	14.1132 0.05 0.07 72.54	2630.6 9.31 13.56 61.46	11464.8 40.59 59.08 72.77	3409.8 12.07 17.57 64.93	797.187 2.82 4.11 66.54	19406.6 68.71
Total	. .	627.635 2.22	1111.65 3.94	19.4549 0.07	4279.95 15.15	15755.6 55.78	5251.24 18.59	1197.98 4.24	28243.5 100.00
Frequency Missing = 1049.794465									

Statistics for Table of Q18 by RERACE

Statistic	DF	Value	Prob
Chi-Square	6	298.9563	<.0001
Likelihood Ratio Chi-Square	6	296.1517	<.0001
Mantel-Haenszel Chi-Square	1	20.3602	<.0001
Phi Coefficient		0.1029	
Contingency Coefficient		0.1023	
Cramer's V		0.1029	

Effective Sample Size = 28243.493248
Frequency Missing = 1049.794465

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q14 (I enrolled in the math course indicated by my placement test results…; Q14 not = missing).

Table of Q18 by developmental				
Q18(q18. At this college, enrolled in col-level Math & dev Eng at same time)	developmental(Developmental: 1 = Non-Developmental, 2 = Developmental)			
Frequency Percent Row Pct Col Pct	.	Non-Developmental	Developmental	Total
.	24.3888 . . .	141.141 . . .	280.33 . . .	. .
1. Yes	342.503 . . .	2097.21 7.54 24.16 27.86	6582.6 23.68 75.84 32.47	8679.81 31.22
2. No	703.674 . . .	5431.8 19.54 28.41 72.14	13689.6 49.24 71.59 67.53	19121.4 68.78
Total	. .	7529.01 27.08	20272.2 72.92	27801.3 100.00
Frequency Missing = 1492.0366091				

Statistics for Table of Q18 by developmental

Statistic	DF	Value	Prob
Chi-Square	1	54.4739	<.0001
Likelihood Ratio Chi-Square	1	55.2102	<.0001
Continuity Adj. Chi-Square	1	54.2591	<.0001
Mantel-Haenszel Chi-Square	1	54.4719	<.0001
Phi Coefficient		-0.0443	
Contingency Coefficient		0.0442	
Cramer's V		-0.0443	

Effective Sample Size = 27801.251104
Frequency Missing = 1492.0366091

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q14 (I enrolled in the math course indicated by my placement test results…; Q14 not = missing).

Table of Q18 by generation				
Q18(q18. At this college, enrolled in col-level Math & dev Eng at same time)	**generation(1st Generation: 1 = 1st Gen, 2 = Not 1st Gen)**			
Frequency Percent Row Pct Col Pct	**.**	**First-Generation**	**Not First-Generation**	**Total**
.	130.877 . . .	131.671 . . .	183.311 . . .	. .
1. Yes	2624.21 . . .	2611.73 12.12 40.82 30.84	3786.38 17.56 59.18 28.93	6398.1 29.68
2. No	4666.49 . . .	5856.67 27.17 38.64 69.16	9301.96 43.15 61.36 71.07	15158.6 70.32
Total	. .	8468.39 39.28	13088.3 60.72	21556.7 100.00
Frequency Missing = 7736.5550787				

Statistics for Table of Q18 by generation

Statistic	DF	Value	Prob
Chi-Square	1	9.0008	0.0027
Likelihood Ratio Chi-Square	1	8.9782	0.0027
Continuity Adj. Chi-Square	1	8.9095	0.0028
Mantel-Haenszel Chi-Square	1	9.0004	0.0027
Phi Coefficient		0.0204	
Contingency Coefficient		0.0204	
Cramer's V		0.0204	

Effective Sample Size = 21556.732635
Frequency Missing = 7736.5550787

WARNING: 26% of the data are missing.

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q14 (I enrolled in the math course indicated by my placement test results…; Q14 not = missing).

Table of Q18 by credit				
Q18(q18. At this college, enrolled in col-level Math & dev Eng at same time)	**credit(Credit Hrs Earned: 1 = 0-29 hrs, 2 = 30+ hrs)**			
Frequency Percent Row Pct Col Pct	**.**	**0 to 29 Credits**	**30+ Credits**	**Total**
.	10.7428 . . .	313.168 . . .	121.948 . . .	. .
1. Yes	145.318 . . .	5281.75 18.63 59.50 30.69	3595.25 12.68 40.50 32.28	8876.99 31.31
2. No	353.744 . . .	11927.2 42.07 61.26 69.31	7544.16 26.61 38.74 67.72	19471.4 68.69
Total	. .	17209 60.71	11139.4 39.29	28348.4 100.00
Frequency Missing = 944.92091524				

Statistics for Table of Q18 by credit

Statistic	DF	Value	Prob
Chi-Square	1	7.8802	0.0050
Likelihood Ratio Chi-Square	1	7.8655	0.0050
Continuity Adj. Chi-Square	1	7.8068	0.0052
Mantel-Haenszel Chi-Square	1	7.8799	0.0050
Phi Coefficient		-0.0167	
Contingency Coefficient		0.0167	
Cramer's V		-0.0167	

Effective Sample Size = 28348.366798
Frequency Missing = 944.92091524

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q14 (I enrolled in the math course indicated by my placement test results…; Q14 not = missing).

Table of Q19 by ENRLMENT			
Q19(q19. At this college, enrolled in on-campus dev math that used computer)	**ENRLMENT(Thinking about this current academic term, how would you characterize your enrollment at this college?)**		
Frequency Percent Row Pct Col Pct	**Less than full-time**	**Full-time**	**Total**
.	160	491	. .
1	3157 10.76 23.96 42.79	10018 34.14 76.04 45.62	13175 44.90
2	4221 14.39 26.11 57.21	11944 40.71 73.89 54.38	16165 55.10
Total	7378 25.15	21962 74.85	29340 100.00
Frequency Missing = 651			

Statistics for Table of Q19 by ENRLMENT

Statistic	DF	Value	Prob
Chi-Square	1	17.8246	<.0001
Likelihood Ratio Chi-Square	1	17.8634	<.0001
Continuity Adj. Chi-Square	1	17.7106	<.0001
Mantel-Haenszel Chi-Square	1	17.8240	<.0001
Phi Coefficient		-0.0246	
Contingency Coefficient		0.0246	
Cramer's V		-0.0246	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	3157
Left-sided Pr <= F	<.0001
Right-sided Pr >= F	1.0000
Table Probability (P)	<.0001
Two-sided Pr <= P	<.0001

Effective Sample Size = 29340
Frequency Missing = 651

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q14 (I enrolled in the math course indicated by my placement test results…; Q14 not = missing).

Table of Q19 by SEX				
Q19(q19. At this college, enrolled in on-campus dev math that used computer)	**SEX(Sex)**			
Frequency Percent Row Pct Col Pct	**.**	**Male**	**Female**	**Total**
.	11.931 . . .	288.844 . . .	338.006 . . .	. .
1	122.849 . . .	4327.66 15.26 34.57 41.41	8192.05 28.88 65.43 45.72	12519.7 44.14
2	165.197 . . .	6121.95 21.58 38.63 58.59	9724.8 34.28 61.37 54.28	15846.8 55.86
Total	. .	10449.6 36.84	17916.9 63.16	28366.5 100.00
Frequency Missing = 926.82757974				

Statistics for Table of Q19 by SEX

Statistic	DF	Value	Prob
Chi-Square	1	49.6805	<.0001
Likelihood Ratio Chi-Square	1	49.7899	<.0001
Continuity Adj. Chi-Square	1	49.5059	<.0001
Mantel-Haenszel Chi-Square	1	49.6787	<.0001
Phi Coefficient		-0.0418	
Contingency Coefficient		0.0418	
Cramer's V		-0.0418	

Effective Sample Size = 28366.460133
Frequency Missing = 926.82757974

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q14 (I enrolled in the math course indicated by my placement test results…; Q14 not = missing).

Table of Q19 by stud_age_class				
Q19(q19. At this college, enrolled in on-campus dev math that used computer)	stud_age_class(Age: 1 = Trad Age (18 - 24), 2 = Non-Trad Age (25+))			
Frequency Percent Row Pct Col Pct	.	Traditional-Age	Nontraditional-Age	Total
.	14.5408 . . .	451.808 . . .	172.432 . . .	. .
1	148.014 . . .	8090.27 28.56 64.75 43.70	4404.28 15.55 35.25 44.89	12494.5 44.11
2	182.359 . . .	10423.4 36.80 65.85 56.30	5406.19 19.09 34.15 55.11	15829.6 55.89
Total	. .	18513.7 65.36	9810.47 34.64	28324.1 100.00
Frequency Missing = 969.15454072				

Statistics for Table of Q19 by stud_age_class

Statistic	DF	Value	Prob
Chi-Square	1	3.7127	0.0540
Likelihood Ratio Chi-Square	1	3.7107	0.0541
Continuity Adj. Chi-Square	1	3.6644	0.0556
Mantel-Haenszel Chi-Square	1	3.7126	0.0540
Phi Coefficient		-0.0114	
Contingency Coefficient		0.0114	
Cramer's V		-0.0114	

Effective Sample Size = 28324.133172
Frequency Missing = 969.15454072

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q14 (I enrolled in the math course indicated by my placement test results…; Q14 not = missing).

Table of Q19 by RERACE

Q19(q19. At this college, enrolled in on-campus dev math that used computer)		RERACE(What is your racial identification)							
Frequency Percent Row Pct Col Pct	.	American Indian or other Native American	Asian, Asian American or Pacific Islander	Native Hawaiian	Black or African American, Non-Hispanic	White, Non-Hispanic	Hispanic, Latino, Spanish	Other	Total
.	21.6473 . . .	10.4234 . . .	32.4094 . . .	4.16534 . . .	140.725 . . .	255.232 . . .	134.286 . . .	39.8921 . . .	. . . .
1	210.119 . . .	314.312 1.12 2.53 50.08	458.868 1.63 3.69 41.44	6.86236 0.02 0.06 36.38	2106.12 7.50 16.94 49.74	6775.52 24.14 54.50 43.19	2252.68 8.03 18.12 43.29	518.075 1.85 4.17 43.74	12432.4 44.30
2	378.8 . . .	313.273 1.12 2.00 49.92	648.443 2.31 4.15 58.56	11.9983 0.04 0.08 63.62	2128.46 7.58 13.62 50.26	8913.98 31.76 57.02 56.81	2950.74 10.51 18.87 56.71	666.253 2.37 4.26 56.26	15633.1 55.70
Total	. .	627.584 2.24	1107.31 3.95	18.8607 0.07	4234.58 15.09	15689.5 55.90	5203.43 18.54	1184.33 4.22	28065.6 100.00
Frequency Missing = 1227.7003077									

Statistics for Table of Q19 by RERACE

Statistic	DF	Value	Prob
Chi-Square	6	73.5652	<.0001
Likelihood Ratio Chi-Square	6	73.2321	<.0001
Mantel-Haenszel Chi-Square	1	14.0129	0.0002
Phi Coefficient		0.0512	
Contingency Coefficient		0.0511	
Cramer's V		0.0512	

Effective Sample Size = 28065.587406
Frequency Missing = 1227.7003077

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q14 (I enrolled in the math course indicated by my placement test results…; Q14 not = missing).

Table of Q19 by developmental				
Q19(q19. At this college, enrolled in on-campus dev math that used computer)	**developmental(Developmental: 1 = Non-Developmental, 2 = Developmental)**			
Frequency Percent Row Pct Col Pct	**.**	**Non-Developmental**	**Developmental**	**Total**
.	25.3049 . . .	188.554 . . .	424.922 . . .	. .
1	532.477 . . .	2486.83 9.01 20.54 33.24	9623.26 34.86 79.46 47.81	12110.1 43.86
2	512.785 . . .	4994.77 18.09 32.23 66.76	10504.4 38.05 67.77 52.19	15499.2 56.14
Total	. .	7481.6 27.10	20127.6 72.90	27609.2 100.00
Frequency Missing = 1684.0421092				

Statistics for Table of Q19 by developmental

Statistic	DF	Value	Prob
Chi-Square	1	470.3474	<.0001
Likelihood Ratio Chi-Square	1	478.7198	<.0001
Continuity Adj. Chi-Square	1	469.7558	<.0001
Mantel-Haenszel Chi-Square	1	470.3303	<.0001
Phi Coefficient		-0.1305	
Contingency Coefficient		0.1294	
Cramer's V		-0.1305	

Effective Sample Size = 27609.245604
Frequency Missing = 1684.0421092

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q14 (I enrolled in the math course indicated by my placement test results…; Q14 not = missing).

Table of Q19 by generation				
Q19(q19. At this college, enrolled in on-campus dev math that used computer)	**generation(1st Generation: 1 = 1st Gen, 2 = Not 1st Gen)**			
Frequency Percent Row Pct Col Pct	**.**	**First-Generation**	**Not First-Generation**	**Total**
.	195.094 . . .	185.126 . . .	258.561 . . .	. .
1	3316.3 . . .	3811.04 17.79 40.86 45.29	5515.23 25.74 59.14 42.38	9326.26 43.52
2	3910.18 . . .	4603.9 21.49 38.04 54.71	7497.86 34.99 61.96 57.62	12101.8 56.48
Total	. .	8414.94 39.27	13013.1 60.73	21428 100.00
Frequency Missing = 7865.2599155				

Statistics for Table of Q19 by generation

Statistic	DF	Value	Prob
Chi-Square	1	17.5667	<.0001
Likelihood Ratio Chi-Square	1	17.5505	<.0001
Continuity Adj. Chi-Square	1	17.4486	<.0001
Mantel-Haenszel Chi-Square	1	17.5659	<.0001
Phi Coefficient		0.0286	
Contingency Coefficient		0.0286	
Cramer's V		0.0286	

Effective Sample Size = 21428.027798
Frequency Missing = 7865.2599155

WARNING: 27% of the data are missing.

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q14 (I enrolled in the math course indicated by my placement test results…; Q14 not = missing).

Table of Q19 by credit				
Q19(q19. At this college, enrolled in on-campus dev math that used computer)	credit(Credit Hrs Earned: 1 = 0-29 hrs, 2 = 30+ hrs)			
Frequency Percent Row Pct Col Pct	.	0 to 29 Credits	30+ Credits	Total
.	21.8879 . . .	430.893 . . .	186 . . .	. .
1	213.107 . . .	7572.17 26.88 60.92 44.30	4857.28 17.24 39.08 43.86	12429.5 44.13
2	274.81 . . .	9519.07 33.80 60.49 55.70	6218.07 22.08 39.51 56.14	15737.1 55.87
Total	. .	17091.2 60.68	11075.4 39.32	28166.6 100.00
Frequency Missing = 1126.69744				

Statistics for Table of Q19 by credit

Statistic	DF	Value	Prob
Chi-Square	1	0.5463	0.4598
Likelihood Ratio Chi-Square	1	0.5464	0.4598
Continuity Adj. Chi-Square	1	0.5283	0.4673
Mantel-Haenszel Chi-Square	1	0.5463	0.4598
Phi Coefficient		0.0044	
Contingency Coefficient		0.0044	
Cramer's V		0.0044	

Effective Sample Size = 28166.590273
Frequency Missing = 1126.69744

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q14 (I enrolled in the math course indicated by my placement test results…; Q14 not = missing).

Table of Q20 by ENRLMENT			
Q20(q20. In what range was overall HS GPA)	**ENRLMENT(Thinking about this current academic term, how would you characterize your enrollment at this college?)**		
Frequency Percent Row Pct Col Pct	**Less than full-time**	**Full-time**	**Total**
.	511 . . .	1272 . . .	. .
1. A	4004 5.85 22.82 22.62	13544 19.80 77.18 26.72	17548 25.66
2. B	8946 13.08 25.91 50.53	25580 37.40 74.09 50.46	34526 50.48
3. C	4253 6.22 29.23 24.02	10296 15.05 70.77 20.31	14549 21.27
4. D or lower	502 0.73 28.28 2.84	1273 1.86 71.72 2.51	1775 2.60
Total	17705 25.89	50693 74.11	68398 100.00
Frequency Missing = 1783			

Statistics for Table of Q20 by ENRLMENT

Statistic	DF	Value	Prob
Chi-Square	3	176.3663	<.0001
Likelihood Ratio Chi-Square	3	176.4333	<.0001
Mantel-Haenszel Chi-Square	1	163.9721	<.0001
Phi Coefficient		0.0508	
Contingency Coefficient		0.0507	
Cramer's V		0.0508	

Effective Sample Size = 68398
Frequency Missing = 1783

Analysis subgroup: All *CCSSE* 2015 A&P respondents

Table of Q20 by SEX				
Q20(q20. In what range was overall HS GPA)		SEX(Sex)		
Frequency Percent Row Pct Col Pct	**.**	**Male**	**Female**	**Total**
.	45.0153 . . .	684.13 . . .	1122.13 . . .	. .
1. A	118.775 . . .	5725.23 8.50 34.85 21.04	10703.8 15.88 65.15 26.64	16429 24.38
2. B	297.821 . . .	13381.6 19.86 39.35 49.18	20627 30.61 60.65 51.34	34008.6 50.47
3. C	138.836 . . .	7099.66 10.54 46.77 26.09	8081.75 11.99 53.23 20.11	15181.4 22.53
4. D or lower	27.6234 . . .	1004.83 1.49 56.76 3.69	765.535 1.14 43.24 1.91	1770.36 2.63
Total	. .	27211.3 40.38	40178 59.62	67389.4 100.00
Frequency Missing = 2434.3351208				

Statistics for Table of Q20 by SEX

Statistic	DF	Value	Prob
Chi-Square	3	678.2618	<.0001
Likelihood Ratio Chi-Square	3	673.5425	<.0001
Mantel-Haenszel Chi-Square	1	649.9945	<.0001
Phi Coefficient		0.1003	
Contingency Coefficient		0.0998	
Cramer's V		0.1003	

Effective Sample Size = 67389.369611
Frequency Missing = 2434.3351208

Analysis subgroup: All *CCSSE* 2015 A&P respondents

Table of Q20 by stud_age_class				
Q20(q20. In what range was overall HS GPA)	**stud_age_class(Age: 1 = Trad Age (18 - 24), 2 = Non-Trad Age (25+))**			
Frequency Percent Row Pct Col Pct	**.**	**Traditional-Age**	**Nontraditional-Age**	**Total**
.	60.7047 . . .	1016.88 . . .	773.699 . . .	. .
1. A	133.161 . . .	11938 17.74 72.73 26.51	4476.64 6.65 27.27 20.09	16414.6 24.39
2. B	312.636 . . .	23397.4 34.76 68.83 51.96	10596.3 15.74 31.17 47.56	33993.8 50.50
3. C	191.849 . . .	8845.21 13.14 58.47 19.64	6283.19 9.33 41.53 28.20	15128.4 22.48
4. D or lower	24.9251 . . .	850.687 1.26 47.98 1.89	922.373 1.37 52.02 4.14	1773.06 2.63
Total	. .	45031.3 66.90	22278.5 33.10	67309.9 100.00
Frequency Missing = 2513.8503658				

Statistics for Table of Q20 by stud_age_class

Statistic	DF	Value	Prob
Chi-Square	3	1081.3347	<.0001
Likelihood Ratio Chi-Square	3	1054.8771	<.0001
Mantel-Haenszel Chi-Square	1	987.2002	<.0001
Phi Coefficient		0.1267	
Contingency Coefficient		0.1257	
Cramer's V		0.1267	

Effective Sample Size = 67309.854366
Frequency Missing = 2513.8503658

Analysis subgroup: All *CCSSE* 2015 A&P respondents

Table of Q20 by RERACE									
Q20(q20. In what range was overall HS GPA)		**RERACE(What is your racial identification)**							
Frequency Percent Row Pct Col Pct	**.**	**American Indian or other Native American**	**Asian, Asian American or Pacific Islander**	**Native Hawaiian**	**Black or African American, Non-Hispanic**	**White, Non-Hispanic**	**Hispanic, Latino, Spanish**	**Other**	**Total**
.	129.661 . . .	15.9859 . . .	102.049 . . .	2.78757 . . .	228.612 . . .	998.719 . . .	277.17 . . .	96.2949 . . .	. .
1. A	455.533 . . .	299.864 0.46 1.86 24.48	844.469 1.28 5.25 31.82	12.9956 0.02 0.08 19.19	1249.41 1.90 7.76 15.68	11130.8 16.90 69.17 27.03	1960.13 2.98 12.18 19.43	594.611 0.90 3.70 22.33	16092.3 24.44
2. B	1108.81 . . .	555.08 0.84 1.67 45.32	1317.17 2.00 3.97 49.64	26.8764 0.04 0.08 39.69	4033.57 6.13 12.15 50.62	20461.2 31.07 61.63 49.69	5497.76 8.35 16.56 54.48	1305.94 1.98 3.93 49.04	33197.6 50.42
3. C	504.145 . . .	338.78 0.51 2.29 27.66	438.543 0.67 2.96 16.53	23.8448 0.04 0.16 35.21	2445.39 3.71 16.50 30.69	8565.27 13.01 57.81 20.80	2349.17 3.57 15.86 23.28	655.098 0.99 4.42 24.60	14816.1 22.50
4. D or lower	57.8587 . . .	31.1146 0.05 1.79 2.54	53.52 0.08 3.08 2.02	3.99746 0.01 0.23 5.90	240.453 0.37 13.82 3.02	1020.33 1.55 58.64 2.48	283.436 0.43 16.29 2.81	107.272 0.16 6.16 4.03	1740.13 2.64
Total	. .	1224.84 1.86	2653.7 4.03	67.7143 0.10	7968.83 12.10	41177.6 62.54	10090.5 15.32	2662.92 4.04	65846.1 100.00
Frequency Missing = 3977.6294305									

Statistics for Table of Q20 by RERACE

Statistic	DF	Value	Prob
Chi-Square	18	973.8936	<.0001
Likelihood Ratio Chi-Square	18	985.4950	<.0001
Mantel-Haenszel Chi-Square	1	5.3271	0.0210
Phi Coefficient		0.1216	
Contingency Coefficient		0.1207	
Cramer's V		0.0702	

Effective Sample Size = 65846.075301
Frequency Missing = 3977.6294305

Analysis subgroup: All *CCSSE* 2015 A&P respondents

Table of Q20 by developmental				
Q20(q20. In what range was overall HS GPA)	**developmental(Developmental: 1 = Non-Developmental, 2 = Developmental)**			
Frequency Percent Row Pct Col Pct	**.**	**Non-Developmental**	**Developmental**	**Total**
.	85.6016 . . .	821.474 . . .	944.204 . . .	. .
1. A	448.868 . . .	10327.7 15.67 64.15 30.60	5771.19 8.76 35.85 17.94	16098.9 24.42
2. B	1076.05 . . .	16524.5 25.07 49.73 48.96	16705.8 25.34 50.27 51.94	33230.3 50.41
3. C	479.134 . . .	6172.74 9.36 41.59 18.29	8668.37 13.15 58.41 26.95	14841.1 22.52
4. D or lower	53.5828 . . .	725.425 1.10 41.59 2.15	1018.98 1.55 58.41 3.17	1744.4 2.65
Total	. .	33750.4 51.20	32164.3 48.80	65914.8 100.00
Frequency Missing = 3908.9171441				

Statistics for Table of Q20 by developmental

Statistic	DF	Value	Prob
Chi-Square	3	1722.5405	<.0001
Likelihood Ratio Chi-Square	3	1741.5713	<.0001
Mantel-Haenszel Chi-Square	1	1564.7976	<.0001
Phi Coefficient		0.1617	
Contingency Coefficient		0.1596	
Cramer's V		0.1617	

Effective Sample Size = 65914.787587
Frequency Missing = 3908.9171441

Analysis subgroup: All *CCSSE* 2015 A&P respondents

Table of Q20 by generation

Q20(q20. In what range was overall HS GPA)	generation(1st Generation: 1 = 1st Gen, 2 = Not 1st Gen)			
Frequency Percent Row Pct Col Pct	**.**	**First-Generation**	**Not First-Generation**	**Total**
.	473.004 . . .	489.321 . . .	888.954 . . .	. .
1. A	2653.02 . . .	3645.33 6.77 26.24 20.84	10249.4 19.03 73.76 28.18	13894.8 25.80
2. B	7284.28 . . .	8800.91 16.34 32.57 50.32	18221.2 33.83 67.43 50.11	27022.1 50.17
3. C	3746.88 . . .	4451.73 8.27 38.47 25.45	7121.63 13.22 61.53 19.58	11573.4 21.49
4. D or lower	432.336 . . .	593.003 1.10 43.42 3.39	772.646 1.43 56.58 2.12	1365.65 2.54
Total	. .	17491 32.48	36364.9 67.52	53855.9 100.00
Frequency Missing = 15967.793543				

Statistics for Table of Q20 by generation

Statistic	DF	Value	Prob
Chi-Square	3	510.8176	<.0001
Likelihood Ratio Chi-Square	3	511.5622	<.0001
Mantel-Haenszel Chi-Square	1	509.6925	<.0001
Phi Coefficient		0.0974	
Contingency Coefficient		0.0969	
Cramer's V		0.0974	

Effective Sample Size = 53855.911189
Frequency Missing = 15967.793543

WARNING: 23% of the data are missing.

Analysis subgroup: All *CCSSE* 2015 A&P respondents

Table of Q20 by credit				
Q20(q20. In what range was overall HS GPA)	credit(Credit Hrs Earned: 1 = 0-29 hrs, 2 = 30+ hrs)			
Frequency Percent Row Pct Col Pct	.	0 to 29 Credits	30+ Credits	Total
.	108.968 . . .	1145.78 . . .	596.531 . . .	. .
1. A	238.591 . . .	9841.1 14.72 60.34 23.12	6468.11 9.68 39.66 26.63	16309.2 24.40
2. B	576.752 . . .	21497.6 32.16 63.73 50.51	12232.1 18.30 36.27 50.36	33729.6 50.45
3. C	271.218 . . .	9984.42 14.94 66.35 23.46	5064.61 7.58 33.65 20.85	15049 22.51
4. D or lower	33.9555 . . .	1239.83 1.85 70.28 2.91	524.196 0.78 29.72 2.16	1764.03 2.64
Total	. .	42562.9 63.67	24289 36.33	66851.9 100.00
Frequency Missing = 2971.7962714				

Statistics for Table of Q20 by credit

Statistic	DF	Value	Prob
Chi-Square	3	158.1551	<.0001
Likelihood Ratio Chi-Square	3	158.7601	<.0001
Mantel-Haenszel Chi-Square	1	156.7649	<.0001
Phi Coefficient		0.0486	
Contingency Coefficient		0.0486	
Cramer's V		0.0486	

Effective Sample Size = 66851.90846
Frequency Missing = 2971.7962714

Analysis subgroup: All *CCSSE* 2015 A&P respondents

Additional analyses included in the national report

Frequency for A&P Q13. I enrolled in the English course indicated by my placement test results, and I felt the course level was …

q13. I enrolled in Eng course indicated ... felt course level was...				
Q13	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Above my skill level at that time	2939.707	10.58	2939.707	10.58
2. Appropriate for my skill level at that time	19578.75	70.48	22518.46	81.06
3. Below my skill level at that time	5261.372	18.94	27779.83	100.00
Frequency Missing = 262.91049395				

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2).

Frequency for A&P Q14. I enrolled in the math course indicated by my placement test results, and I felt that the course was…

q14. I enrolled in Math course indicated ... felt course level was...				
Q14	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Above my skill level at that time	4033.91	13.77	4033.91	13.77
2. Appropriate for my skill level at that time	18540.07	63.29	22573.98	77.06
3. Below my skill level at that time	6719.306	22.94	29293.29	100.00
Frequency Missing = 314.59935251				

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2).

Frequency for A&P Q15. During the first few class sessions of an English course at this college, my instructor advised me to enroll in a higher or lower level course.

q15. During 1st few classes - Eng - instructor advised higher/lower level				
Q15	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Yes, a higher level	4591.186	17.23	4591.186	17.23
2. Yes, a lower level	1993.31	7.48	6584.495	24.71
3. No, I was not advised to enroll in a higher/lower level class	20067.74	75.29	26652.24	100.00
Frequency Missing = 199.03791561				

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q13 (I enrolled in the English course indicated by my placement test results…; Q13 not = missing).

Frequency for A&P Q16. During the first few class sessions of a math course at this college, my instructor advised me to enroll in a higher or lower level course.

q16. During 1st few classes - Math - instructor advised higher/lower level				
Q16	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Yes, a higher level	4300.113	15.18	4300.113	15.18
2. Yes, a lower level	2570.815	9.07	6870.928	24.25
3. No, I was not advised to enroll in a higher/lower level class	21464.46	75.75	28335.38	100.00
Frequency Missing = 111.29534793				

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q14 (I enrolled in the English course indicated by my placement test results…; Q14 not = missing).

CCSSE A&P respondents were asked about enrollment in co-requisite English and math courses as well as enrollment in on-campus, computer-based developmental math courses. In addition to the frequencies, mean comparisons of benchmark scores between students who participated and did not participate in these practices were conducted to examine if participation in these types of courses had an impact on benchmark scores. Below are the frequencies for each of these items followed by the mean scores for participants and nonparticipants.

A&P Q17. While at this college, I have enrolled in a college-level English course and a developmental English (reading/writing) course during the same academic term.

q17. At this college, enrolled in col-level Eng & dev Eng at same time				
Q17	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1. Yes	10848.43	39.90	10848.43	39.90
2. No	16342.82	60.10	27191.24	100.00
Frequency Missing = 588.58431541				

Benchmark means comparing students who participated in co-requisite English courses with those who did not

	Participated			Did Not Participate		
Benchmark	N	Mean	Std.Dev	N	Mean	Std.Dev
Active and Collaborative Learning	11,346	52.908	25.371	16,488	48.604	24.240
Student Effort	11,346	57.844	23.960	16,487	52.973	24.260
Academic Challenge	11,343	53.571	23.611	16,487	51.132	24.192
Student Faculty Interaction	11,343	55.956	25.668	16,481	50.737	24.548
Support for Learners	11,326	57.737	25.503	16,463	52.120	24.683

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q13 (I enrolled in the English course indicated by my placement test results…; Q13 not = missing).

A&P Q18. While at this college, I have enrolled in a college-level math course and a developmental math course during the same academic term.

Q18	Frequency	Percent	Cumulative Frequency	Cumulative Percent
q18. At this college, enrolled in col-level Math & dev Eng at same time				
1. Yes	9022.311	31.28	9022.311	31.28
2. No	19825.12	68.72	28847.43	100.00
Frequency Missing = 445.85928802				

Benchmark means comparing students who participated in co-requisite math courses with those who did not

Benchmark	Participated			Did Not Participate		
	N	Mean	Std.Dev	N	Mean	Std.Dev
Active and Collaborative Learning	9,623	53.763	25.570	19,906	48.310	24.277
Student Effort	9,622	57.676	23.988	19,906	52.648	24.368
Academic Challenge	9,621	53.581	23.560	19,904	50.866	24.477
Student Faculty Interaction	9,617	56.474	25.886	19,903	50.869	24.637
Support for Learners	9,607	57.868	25.319	19,878	51.886	24.992

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q14 (I enrolled in the English course indicated by my placement test results…; Q14 not = missing).

A&P Q19. While at this college, I have enrolled in an on-campus developmental math course that uses computer-based instruction.

Q19	Frequency	Percent	Cumulative Frequency	Cumulative Percent
q19. At this college, enrolled in on-campus dev math that used computer				
1	12642.56	44.12	12642.56	44.12
2	16011.95	55.88	28654.51	100.00
Frequency Missing = 638.78086233				

Benchmark means comparing students who participated in an on-campus computer-based developmental math course with those who did not

Benchmark	Participated			Did Not Participate		
	N	Mean	Std.Dev	N	Mean	Std.Dev
Active and Collaborative Learning	13,175	52.044	25.541	16,163	48.366	24.083
Student Effort	13,174	57.355	23.916	16,163	51.691	24.394
Academic Challenge	13,170	53.372	24.159	16,164	50.339	24.189
Student Faculty Interaction	13,170	55.435	25.500	16,159	50.385	24.724
Support for Learners	13,157	55.992	25.373	16,135	51.988	24.987

Analysis subgroup: Students who took a placement test (TOOKPLTST = 1) and whose placement test results indicated they needed one or more developmental education courses (Q10_R = 1) and were told they were required or should take at least one developmental education course in their first academic term (Q11_RT = 1 or 2) and respondent did not skip Q14 (I enrolled in the English course indicated by my placement test results…; Q14 not = missing).

CCFSSE Survey Data

The *CCFSSE* survey data included in these analyses were collected as part of the regular survey administration in spring 2015. These data are limited to respondents from colleges that administered the Assessment and Placement (A&P) item set during the same time frame to maintain comparability between faculty responses and student responses.

Respondents included in the analysis data set
The *CCFSSE* analysis data set consisted of 5,240 faculty members from 56 colleges. Approximately 57% of the respondents identified as full-time faculty. Most of the faculty report that they teach only college-level classes (74.3%).

Data cleaning and new variable creation
Aside from the exclusion of faculty respondents from colleges that did not administer the *CCSSE* A&P item set, no other data cleaning resulted in the removal of any faculty respondents. Variable recodes and new variable creation is described below.

A series of questions ask faculty if they conduct in-class assessments to determine students' preparedness to succeed in the course; faculty are asked to mark all options that apply: A written assessment (PREPWR), an oral assessment (PERPOR), an online assessment (PREPON), a computer-assisted assessment (PREPCA), or none of these (PREPNOT). If a faculty member skipped all of these response options, these variables were recoded to missing. A new dichotomous variable PREP_ANY (Assessed course readiness using any method) was created if a faculty member marked any of the four assessment types.

The only other new variable created was based on recoding the item that asks faculty "Do you teach developmental/basic skills/college prep courses at your college (TEACHDEV)?". If faculty report that they teach only developmental courses or teach both developmental and college-level courses, the new dichotomous variable (TEACHDEV_R) is coded 1 to reflect that they teach at least some developmental courses. Otherwise, the new variable is coded 0 (zero) reflecting that they teach only college-level courses.

Results for *CCFSSE* data

Frequency Results

Employed Part-time/Full-time				
FENROLL	**Frequency**	**Percent**	**Cumulative Frequency**	**Cumulative Percent**
Part-time	2225	42.46	2225	42.46
Full-time	3015	57.54	5240	100.00

Teach dev/basic skills/college prep courses				
TEACHDEV	**Frequency**	**Percent**	**Cumulative Frequency**	**Cumulative Percent**
.	15	.	.	.
Yes, I teach ONLY developmental courses	321	6.14	321	6.14
Yes, I teach both developmental and college-level courses	1022	19.56	1343	25.70
No, I teach only college-level courses	3882	74.30	5225	100.00
Frequency Missing = 15				

Dichotomous, = 1 if teaching dev ed only or both dev and college-level				
teachdev_r	**Frequency**	**Percent**	**Cumulative Frequency**	**Cumulative Percent**
.	15	.	.	.
Teach college-level only	3882	74.30	3882	74.30
Teach dev or both	1343	25.70	5225	100.00
Frequency Missing = 15				

At begin cur semestr, methods of in-class assess of stu prep: written assessment				
PREPWR	**Frequency**	**Percent**	**Cumulative Frequency**	**Cumulative Percent**
.	510	.	.	.
No response	2660	56.24	2660	56.24
Response	2070	43.76	4730	100.00
Frequency Missing = 510				

At begin cur semestr, methods of in-class assess of stu prep: oral assessment				
PREPOR	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	510	.	.	.
No response	3828	80.93	3828	80.93
Response	902	19.07	4730	100.00
Frequency Missing = 510				

At begin cur semestr, methods of in-class assess of stu prep: online assessment				
PREPON	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	510	.	.	.
No response	4097	86.62	4097	86.62
Response	633	13.38	4730	100.00
Frequency Missing = 510				

At begin cur semestr, methods of in-class assess of stu prep: comp-assisted assess				
PREPCA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	510	.	.	.
No response	4200	88.79	4200	88.79
Response	530	11.21	4730	100.00
Frequency Missing = 510				

At begin cur semestr, methods of in-class assess of stu prep: none of these				
PREPNOT	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	510	.	.	.
No response	2750	58.14	2750	58.14
Response	1980	41.86	4730	100.00
Frequency Missing = 510				

Assessed course readiness using any method				
prep_any	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	510	.	.	.
No readiness assessment	1980	41.86	1980	41.86
Used some assessment	2750	58.14	4730	100.00
Frequency Missing = 510				

IF PREPWR,PREPOR, PREON, PREPCA - Most common action based on results (1-5)				
ASSESACT	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	2535	.	.	.
I recommend to a student that he/she use tutoring or other academic support service	1337	49.43	1337	49.43
I recommend to academic advising or student services that a student be placed in another course or level	119	4.40	1456	53.83
I adjust my course pedagogy or approach	907	33.53	2363	87.36
I advise a student to drop the course	50	1.85	2413	89.21
Other	292	10.79	2705	100.00
Frequency Missing = 2535				

Table of PREPWR by FENROLL			
PREPWR(At begin cur semestr, methods of in-class assess of stu prep: written assessment)	**FENROLL(Employed Part-time/Full-time)**		
Frequency **Percent** **Row Pct** **Col Pct**	**Part-time**	**Full-time**	**Total**
.	274 . . .	236 . . .	. .
No response	1080 22.83 40.60 55.36	1580 33.40 59.40 56.85	2660 56.24
Response	871 18.41 42.08 44.64	1199 25.35 57.92 43.15	2070 43.76
Total	1951 41.25	2779 58.75	4730 100.00
Frequency Missing = 510			

Statistics for Table of PREPWR by FENROLL

Statistic	DF	Value	Prob
Chi-Square	1	1.0462	0.3064
Likelihood Ratio Chi-Square	1	1.0458	0.3065
Continuity Adj. Chi-Square	1	0.9862	0.3207
Mantel-Haenszel Chi-Square	1	1.0460	0.3064
Phi Coefficient		-0.0149	
Contingency Coefficient		0.0149	
Cramer's V		-0.0149	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	1080
Left-sided Pr <= F	0.1603
Right-sided Pr >= F	0.8537
Table Probability (P)	0.0141
Two-sided Pr <= P	0.3116

Effective Sample Size = 4730
Frequency Missing = 510

Table of PREPOR by FENROLL			
PREPOR(At begin cur semestr, methods of in-class assess of stu prep: oral assessment)	FENROLL(Employed Part-time/Full-time)		
Frequency Percent Row Pct Col Pct	Part-time	Full-time	Total
.	274 . . .	236 . . .	. .
No response	1544 32.64 40.33 79.14	2284 48.29 59.67 82.19	3828 80.93
Response	407 8.60 45.12 20.86	495 10.47 54.88 17.81	902 19.07
Total	1951 41.25	2779 58.75	4730 100.00
Frequency Missing = 510			

Statistics for Table of PREPOR by FENROLL

Statistic	DF	Value	Prob
Chi-Square	1	6.9044	0.0086
Likelihood Ratio Chi-Square	1	6.8615	0.0088
Continuity Adj. Chi-Square	1	6.7082	0.0096
Mantel-Haenszel Chi-Square	1	6.9029	0.0086
Phi Coefficient		-0.0382	
Contingency Coefficient		0.0382	
Cramer's V		-0.0382	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	1544
Left-sided Pr <= F	0.0049
Right-sided Pr >= F	0.9961
Table Probability (P)	0.0010
Two-sided Pr <= P	0.0095

Effective Sample Size = 4730
Frequency Missing = 510

Table of PREPON by FENROLL

PREPON(At begin cur semestr, methods of in-class assess of stu prep: online assessment)	FENROLL(Employed Part-time/Full-time)		
Frequency Percent Row Pct Col Pct	Part-time	Full-time	Total
.	274 . . .	236 . . .	. .
No response	1757 37.15 42.89 90.06	2340 49.47 57.11 84.20	4097 86.62
Response	194 4.10 30.65 9.94	439 9.28 69.35 15.80	633 13.38
Total	1951 41.25	2779 58.75	4730 100.00
Frequency Missing = 510			

Statistics for Table of PREPON by FENROLL

Statistic	DF	Value	Prob
Chi-Square	1	33.8812	<.0001
Likelihood Ratio Chi-Square	1	34.8977	<.0001
Continuity Adj. Chi-Square	1	33.3781	<.0001
Mantel-Haenszel Chi-Square	1	33.8740	<.0001
Phi Coefficient		0.0846	
Contingency Coefficient		0.0843	
Cramer's V		0.0846	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	1757
Left-sided Pr <= F	1.0000
Right-sided Pr >= F	<.0001
Table Probability (P)	<.0001
Two-sided Pr <= P	<.0001

Effective Sample Size = 4730
Frequency Missing = 510

Table of PREPCA by FENROLL			
PREPCA(At begin cur semestr, methods of in-class assess of stu prep: comp-assisted assess)	**FENROLL(Employed Part-time/Full-time)**		
Frequency Percent Row Pct Col Pct	**Part-time**	**Full-time**	**Total**
.	274 . . .	236 . . .	. .
No response	1767 37.36 42.07 90.57	2433 51.44 57.93 87.55	4200 88.79
Response	184 3.89 34.72 9.43	346 7.32 65.28 12.45	530 11.21
Total	1951 41.25	2779 58.75	4730 100.00
Frequency Missing = 510			

Statistics for Table of PREPCA by FENROLL

Statistic	DF	Value	Prob
Chi-Square	1	10.5037	0.0012
Likelihood Ratio Chi-Square	1	10.6808	0.0011
Continuity Adj. Chi-Square	1	10.2024	0.0014
Mantel-Haenszel Chi-Square	1	10.5014	0.0012
Phi Coefficient		0.0471	
Contingency Coefficient		0.0471	
Cramer's V		0.0471	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	1767
Left-sided Pr <= F	0.9995
Right-sided Pr >= F	0.0006
Table Probability (P)	0.0002
Two-sided Pr <= P	0.0012

Effective Sample Size = 4730
Frequency Missing = 510

Table of PREPNOT by FENROLL			
PREPNOT(At begin cur semestr, methods of in-class assess of stu prep: none of these)	FENROLL(Employed Part-time/Full-time)		
Frequency Percent Row Pct Col Pct	Part-time	Full-time	Total
.	274 . . .	236 . . .	. .
No response	1146 24.23 41.67 58.74	1604 33.91 58.33 57.72	2750 58.14
Response	805 17.02 40.66 41.26	1175 24.84 59.34 42.28	1980 41.86
Total	1951 41.25	2779 58.75	4730 100.00
Frequency Missing = 510			

Statistics for Table of PREPNOT by FENROLL

Statistic	DF	Value	Prob
Chi-Square	1	0.4905	0.4837
Likelihood Ratio Chi-Square	1	0.4907	0.4836
Continuity Adj. Chi-Square	1	0.4495	0.5026
Mantel-Haenszel Chi-Square	1	0.4904	0.4838
Phi Coefficient		0.0102	
Contingency Coefficient		0.0102	
Cramer's V		0.0102	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	1146
Left-sided Pr <= F	0.7674
Right-sided Pr >= F	0.2513
Table Probability (P)	0.0187
Two-sided Pr <= P	0.4912

Effective Sample Size = 4730
Frequency Missing = 510

Table of prep_any by FENROLL			
prep_any(Assessed course readiness using any method)	FENROLL(Employed Part-time/Full-time)		
Frequency Percent Row Pct Col Pct	Part-time	Full-time	Total
.	274 . . .	236 . . .	. . .
No readiness assessment	805 17.02 40.66 41.26	1175 24.84 59.34 42.28	1980 41.86
Used some assessment	1146 24.23 41.67 58.74	1604 33.91 58.33 57.72	2750 58.14
Total	1951 41.25	2779 58.75	4730 100.00
Frequency Missing = 510			

Statistics for Table of prep_any by FENROLL

Statistic	DF	Value	Prob
Chi-Square	1	0.4905	0.4837
Likelihood Ratio Chi-Square	1	0.4907	0.4836
Continuity Adj. Chi-Square	1	0.4495	0.5026
Mantel-Haenszel Chi-Square	1	0.4904	0.4838
Phi Coefficient		-0.0102	
Contingency Coefficient		0.0102	
Cramer's V		-0.0102	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	805
Left-sided Pr <= F	0.2513
Right-sided Pr >= F	0.7674
Table Probability (P)	0.0187
Two-sided Pr <= P	0.4912

Effective Sample Size = 4730
Frequency Missing = 510

Table of ASSESACT by FENROLL			
ASSESACT(IF PREPWR,PREPOR, PREON, PREPCA - Most common action based on results (1-5))	**FENROLL(Employed Part-time/Full-time)**		
Frequency **Percent** **Row Pct** **Col Pct**	**Part-time**	**Full-time**	**Total**
.	1105 . . .	1430 . . .	. .
I recommend to a student that he/she use tutoring or other academic support service	558 20.63 41.74 49.82	779 28.80 58.26 49.15	1337 49.43
I recommend to academic advising or student services that a student be placed in another course or level	39 1.44 32.77 3.48	80 2.96 67.23 5.05	119 4.40
I adjust my course pedagogy or approach	391 14.45 43.11 34.91	516 19.08 56.89 32.56	907 33.53
I advise a student to drop the course	20 0.74 40.00 1.79	30 1.11 60.00 1.89	50 1.85
Other	112 4.14 38.36 10.00	180 6.65 61.64 11.36	292 10.79
Total	1120 41.40	1585 58.60	2705 100.00
Frequency Missing = 2535			

Statistics for Table of ASSESACT by FENROLL

Statistic	DF	Value	Prob
Chi-Square	4	5.9599	0.2022
Likelihood Ratio Chi-Square	4	6.0620	0.1946
Mantel-Haenszel Chi-Square	1	0.2420	0.6228
Phi Coefficient		0.0469	
Contingency Coefficient		0.0469	
Cramer's V		0.0469	

Effective Sample Size = 2705
Frequency Missing = 2535

WARNING: 48% of the data are missing.

PREPWR(At begin cur semestr, methods of in-class assess of stu prep: written assessment)	TEACHDEV(Teach dev/basic skills/college prep courses)			
Frequency **Percent** **Row Pct** **Col Pct**	.	**Yes, I teach ONLY developmental courses**	**Yes, I teach both developmental and college-level courses**	**No, I teach only college-level courses**	**Total**
.	2 . . .	31 . . .	113 . . .	364 . . .	. .
No response	8 . . .	141 2.99 5.32 48.62	383 8.12 14.44 42.13	2128 45.11 80.24 60.49	2652 56.22
Response	5 . . .	149 3.16 7.22 51.38	526 11.15 25.47 57.87	1390 29.47 67.31 39.51	2065 43.78
Total	. .	290 6.15	909 19.27	3518 74.58	4717 100.00
Frequency Missing = 523					

Statistics for Table of PREPWR by TEACHDEV

Statistic	DF	Value	Prob
Chi-Square	2	106.1284	<.0001
Likelihood Ratio Chi-Square	2	105.5449	<.0001
Mantel-Haenszel Chi-Square	1	75.2853	<.0001
Phi Coefficient		0.1500	
Contingency Coefficient		0.1483	
Cramer's V		0.1500	

Effective Sample Size = 4717
Frequency Missing = 523

Table of PREPOR by TEACHDEV					
PREPOR(At begin cur semestr, methods of in-class assess of stu prep: oral assessment)	**TEACHDEV(Teach dev/basic skills/college prep courses)**				
Frequency Percent Row Pct Col Pct	**.**	**Yes, I teach ONLY developmental courses**	**Yes, I teach both developmental and college-level courses**	**No, I teach only college-level courses**	**Total**
.	2 . . .	31 . . .	113 . . .	364 . . .	. .
No response	11 . . .	254 5.38 6.65 87.59	758 16.07 19.86 83.39	2805 59.47 73.49 79.73	3817 80.92
Response	2 . . .	36 0.76 4.00 12.41	151 3.20 16.78 16.61	713 15.12 79.22 20.27	900 19.08
Total	. .	290 6.15	909 19.27	3518 74.58	4717 100.00
Frequency Missing = 523					

Statistics for Table of PREPOR by TEACHDEV

Statistic	DF	Value	Prob
Chi-Square	2	15.1454	0.0005
Likelihood Ratio Chi-Square	2	16.1430	0.0003
Mantel-Haenszel Chi-Square	1	15.1188	0.0001
Phi Coefficient		0.0567	
Contingency Coefficient		0.0566	
Cramer's V		0.0567	

Effective Sample Size = 4717
Frequency Missing = 523

Table of PREPON by TEACHDEV

PREPON(At begin cur semestr, methods of in-class assess of stu prep: online assessment)	TEACHDEV(Teach dev/basic skills/college prep courses)			
Frequency Percent Row Pct Col Pct	.	Yes, I teach ONLY developmental courses	Yes, I teach both developmental and college-level courses	No, I teach only college-level courses	Total
.	2 . . .	31 . . .	113 . . .	364 . . .	. .
No response	11 . . .	249 5.28 6.09 85.86	753 15.96 18.43 82.84	3084 65.38 75.48 87.66	4086 86.62
Response	2 . . .	41 0.87 6.50 14.14	156 3.31 24.72 17.16	434 9.20 68.78 12.34	631 13.38
Total	. .	290 6.15	909 19.27	3518 74.58	4717 100.00

Frequency Missing = 523

Statistics for Table of PREPON by TEACHDEV

Statistic	DF	Value	Prob
Chi-Square	2	14.6680	0.0007
Likelihood Ratio Chi-Square	2	13.9567	0.0009
Mantel-Haenszel Chi-Square	1	8.1293	0.0044
Phi Coefficient		0.0558	
Contingency Coefficient		0.0557	
Cramer's V		0.0558	

Effective Sample Size = 4717
Frequency Missing = 523

Table of PREPCA by TEACHDEV					
PREPCA(At begin cur semestr, methods of in-class assess of stu prep: comp-assisted assess)	TEACHDEV(Teach dev/basic skills/college prep courses)				
Frequency Percent Row Pct Col Pct	.	Yes, I teach ONLY developmental courses	Yes, I teach both developmental and college-level courses	No, I teach only college-level courses	Total
.	2 . . .	31 . . .	113 . . .	364 . . .	. .
No response	13 . . .	245 5.19 5.85 84.48	772 16.37 18.44 84.93	3170 67.20 75.71 90.11	4187 88.76
Response	0 . . .	45 0.95 8.49 15.52	137 2.90 25.85 15.07	348 7.38 65.66 9.89	530 11.24
Total	. .	290 6.15	909 19.27	3518 74.58	4717 100.00
Frequency Missing = 523					

Statistics for Table of PREPCA by TEACHDEV

Statistic	DF	Value	Prob
Chi-Square	2	25.1092	<.0001
Likelihood Ratio Chi-Square	2	23.7086	<.0001
Mantel-Haenszel Chi-Square	1	22.3419	<.0001
Phi Coefficient		0.0730	
Contingency Coefficient		0.0728	
Cramer's V		0.0730	

Effective Sample Size = 4717
Frequency Missing = 523

Table of PREPNOT by TEACHDEV					
PREPNOT(At begin cur semestr, methods of in-class assess of stu prep: none of these)	**TEACHDEV(Teach dev/basic skills/college prep courses)**				
Frequency Percent Row Pct Col Pct	**.**	**Yes, I teach ONLY developmental courses**	**Yes, I teach both developmental and college-level courses**	**No, I teach only college-level courses**	**Total**
.	2 . . .	31 . . .	113 . . .	364 . . .	. . . .
No response	6 . . .	196 4.16 7.14 67.59	643 13.63 23.43 70.74	1905 40.39 69.42 54.15	2744 58.17
Response	7 . . .	94 1.99 4.76 32.41	266 5.64 13.48 29.26	1613 34.20 81.75 45.85	1973 41.83
Total	. .	290 6.15	909 19.27	3518 74.58	4717 100.00
Frequency Missing = 523					

Statistics for Table of PREPNOT by TEACHDEV

Statistic	DF	Value	Prob
Chi-Square	2	92.9317	<.0001
Likelihood Ratio Chi-Square	2	95.5113	<.0001
Mantel-Haenszel Chi-Square	1	73.2295	<.0001
Phi Coefficient		0.1404	
Contingency Coefficient		0.1390	
Cramer's V		0.1404	

Effective Sample Size = 4717
Frequency Missing = 523

Table of prep_any by TEACHDEV					
prep_any(Assessed course readiness using any method)		TEACHDEV(Teach dev/basic skills/college prep courses)			
Frequency Percent Row Pct Col Pct	.	Yes, I teach ONLY developmental courses	Yes, I teach both developmental and college-level courses	No, I teach only college-level courses	Total
.	2 . . .	31 . . .	113 . . .	364 . . .	. .
No readiness assessment	7 . . .	94 1.99 4.76 32.41	266 5.64 13.48 29.26	1613 34.20 81.75 45.85	1973 41.83
Used some assessment	6 . . .	196 4.16 7.14 67.59	643 13.63 23.43 70.74	1905 40.39 69.42 54.15	2744 58.17
Total	. .	290 6.15	909 19.27	3518 74.58	4717 100.00
Frequency Missing = 523					

Statistics for Table of prep_any by TEACHDEV

Statistic	DF	Value	Prob
Chi-Square	2	92.9317	<.0001
Likelihood Ratio Chi-Square	2	95.5113	<.0001
Mantel-Haenszel Chi-Square	1	73.2295	<.0001
Phi Coefficient		0.1404	
Contingency Coefficient		0.1390	
Cramer's V		0.1404	

Effective Sample Size = 4717
Frequency Missing = 523

Table of ASSESACT by TEACHDEV

ASSESACT(IF PREPWR,PREPOR, PREON, PREPCA - Most common action based on results (1-5))	TEACHDEV(Teach dev/basic skills/college prep courses)			
Frequency Percent Row Pct Col Pct	.	Yes, I teach ONLY developmental courses	Yes, I teach both developmental and college-level courses	No, I teach only college-level courses	Total
.	9 . . .	128 . . .	382 . . .	2016 . . .	. .
I recommend to a student that he/she use tutoring or other academic support service	5 . . .	96 3.56 7.21 49.74	361 13.38 27.10 56.41	875 32.42 65.69 46.89	1332 49.35
I recommend to academic advising or student services that a student be placed in another course or level	0 . . .	18 0.67 15.13 9.33	39 1.44 32.77 6.09	62 2.30 52.10 3.32	119 4.41
I adjust my course pedagogy or approach	0 . . .	60 2.22 6.62 31.09	182 6.74 20.07 28.44	665 24.64 73.32 35.64	907 33.61
I advise a student to drop the course	0 . . .	2 0.07 4.00 1.04	8 0.30 16.00 1.25	40 1.48 80.00 2.14	50 1.85
Other	1 . . .	17 0.63 5.84 8.81	50 1.85 17.18 7.81	224 8.30 76.98 12.00	291 10.78
Total	. .	193 7.15	640 23.71	1866 69.14	2699 100.00
Frequency Missing = 2541					

Statistics for Table of ASSESACT by TEACHDEV

Statistic	DF	Value	Prob
Chi-Square	8	47.5107	<.0001
Likelihood Ratio Chi-Square	8	45.7112	<.0001
Mantel-Haenszel Chi-Square	1	17.9345	<.0001
Phi Coefficient		0.1327	
Contingency Coefficient		0.1315	
Cramer's V		0.0938	

Effective Sample Size = 2699
Frequency Missing = 2541

WARNING: 48% of the data are missing.

Table of PREPWR by teachdev_r

PREPWR(At begin cur semestr, methods of in-class assess of stu prep: written assessment)	teachdev_r(Dichotomous, = 1 if teaching dev ed only or both dev and college-level)		
Frequency Percent Row Pct Col Pct	.	Teach college-level only	Teach dev or both	Total
.	2 . . .	364 . . .	144 . . .	. .
No response	8 . . .	2128 45.11 80.24 60.49	524 11.11 19.76 43.70	2652 56.22
Response	5 . . .	1390 29.47 67.31 39.51	675 14.31 32.69 56.30	2065 43.78
Total	. .	3518 74.58	1199 25.42	4717 100.00
Frequency Missing = 523				

Statistics for Table of PREPWR by teachdev_r

Statistic	DF	Value	Prob
Chi-Square	1	102.3700	<.0001
Likelihood Ratio Chi-Square	1	101.8016	<.0001
Continuity Adj. Chi-Square	1	101.6892	<.0001
Mantel-Haenszel Chi-Square	1	102.3483	<.0001
Phi Coefficient		0.1473	
Contingency Coefficient		0.1457	
Cramer's V		0.1473	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	2128
Left-sided Pr <= F	1.0000
Right-sided Pr >= F	<.0001
Table Probability (P)	<.0001
Two-sided Pr <= P	<.0001

Effective Sample Size = 4717
Frequency Missing = 523

Table of PREPOR by teachdev_r				
PREPOR(At begin cur semestr, methods of in-class assess of stu prep: oral assessment)	teachdev_r(Dichotomous, = 1 if teaching dev ed only or both dev and college-level)			
Frequency Percent Row Pct Col Pct	**.**	**Teach college-level only**	**Teach dev or both**	**Total**
.	2 . . .	364 . . .	144 . . .	. .
No response	11 . . .	2805 59.47 73.49 79.73	1012 21.45 26.51 84.40	3817 80.92
Response	2 . . .	713 15.12 79.22 20.27	187 3.96 20.78 15.60	900 19.08
Total	. .	3518 74.58	1199 25.42	4717 100.00
Frequency Missing = 523				

Statistics for Table of PREPOR by teachdev_r

Statistic	DF	Value	Prob
Chi-Square	1	12.6360	0.0004
Likelihood Ratio Chi-Square	1	13.0733	0.0003
Continuity Adj. Chi-Square	1	12.3353	0.0004
Mantel-Haenszel Chi-Square	1	12.6334	0.0004
Phi Coefficient		-0.0518	
Contingency Coefficient		0.0517	
Cramer's V		-0.0518	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	2805
Left-sided Pr <= F	0.0002
Right-sided Pr >= F	0.9999
Table Probability (P)	<.0001
Two-sided Pr <= P	0.0003

Effective Sample Size = 4717
Frequency Missing = 523

Table of PREPON by teachdev_r				
PREPON(At begin cur semestr, methods of in-class assess of stu prep: online assessment)	teachdev_r(Dichotomous, = 1 if teaching dev ed only or both dev and college-level)			
Frequency Percent Row Pct Col Pct	.	Teach college-level only	Teach dev or both	Total
.	2 . . .	364 . . .	144 . . .	. .
No response	11 . . .	3084 65.38 75.48 87.66	1002 21.24 24.52 83.57	4086 86.62
Response	2 . . .	434 9.20 68.78 12.34	197 4.18 31.22 16.43	631 13.38
Total	. .	3518 74.58	1199 25.42	4717 100.00
Frequency Missing = 523				

Statistics for Table of PREPON by teachdev_r

Statistic	DF	Value	Prob
Chi-Square	1	12.9332	0.0003
Likelihood Ratio Chi-Square	1	12.4520	0.0004
Continuity Adj. Chi-Square	1	12.5824	0.0004
Mantel-Haenszel Chi-Square	1	12.9305	0.0003
Phi Coefficient		0.0524	
Contingency Coefficient		0.0523	
Cramer's V		0.0524	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	3084
Left-sided Pr <= F	0.9998
Right-sided Pr >= F	0.0002
Table Probability (P)	<.0001
Two-sided Pr <= P	0.0004

Effective Sample Size = 4717
Frequency Missing = 523

Table of PREPCA by teachdev_r				
PREPCA(At begin cur semestr, methods of in-class assess of stu prep: comp-assisted assess)	teachdev_r(Dichotomous, = 1 if teaching dev ed only or both dev and college-level)			
Frequency Percent Row Pct Col Pct	.	Teach college-level only	Teach dev or both	Total
.	2 . . .	364 . . .	144 . . .	. .
No response	13 . . .	3170 67.20 75.71 90.11	1017 21.56 24.29 84.82	4187 88.76
Response	0 . . .	348 7.38 65.66 9.89	182 3.86 34.34 15.18	530 11.24
Total	. .	3518 74.58	1199 25.42	4717 100.00
Frequency Missing = 523				

Statistics for Table of PREPCA by teachdev_r

Statistic	DF	Value	Prob
Chi-Square	1	25.0654	<.0001
Likelihood Ratio Chi-Square	1	23.6748	<.0001
Continuity Adj. Chi-Square	1	24.5381	<.0001
Mantel-Haenszel Chi-Square	1	25.0601	<.0001
Phi Coefficient		0.0729	
Contingency Coefficient		0.0727	
Cramer's V		0.0729	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	3170
Left-sided Pr <= F	1.0000
Right-sided Pr >= F	<.0001
Table Probability (P)	<.0001
Two-sided Pr <= P	<.0001

Effective Sample Size = 4717
Frequency Missing = 523

Table of PREPNOT by teachdev_r

PREPNOT(At begin cur semestr, methods of in-class assess of stu prep: none of these)	teachdev_r(Dichotomous, = 1 if teaching dev ed only or both dev and college-level)			
Frequency Percent Row Pct Col Pct	**.**	**Teach college-level only**	**Teach dev or both**	**Total**
.	2 . . .	364 . . .	144 . . .	. .
No response	6 . . .	1905 40.39 69.42 54.15	839 17.79 30.58 69.97	2744 58.17
Response	7 . . .	1613 34.20 81.75 45.85	360 7.63 18.25 30.03	1973 41.83
Total	. .	3518 74.58	1199 25.42	4717 100.00
Frequency Missing = 523				

Statistics for Table of PREPNOT by teachdev_r

Statistic	DF	Value	Prob
Chi-Square	1	92.0346	<.0001
Likelihood Ratio Chi-Square	1	94.4825	<.0001
Continuity Adj. Chi-Square	1	91.3854	<.0001
Mantel-Haenszel Chi-Square	1	92.0151	<.0001
Phi Coefficient		-0.1397	
Contingency Coefficient		0.1383	
Cramer's V		-0.1397	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	1905
Left-sided Pr <= F	<.0001
Right-sided Pr >= F	1.0000
Table Probability (P)	<.0001
Two-sided Pr <= P	<.0001

Effective Sample Size = 4717
Frequency Missing = 523

Table of prep_any by teachdev_r

prep_any(Assessed course readiness using any method)	teachdev_r(Dichotomous, = 1 if teaching dev ed only or both dev and college-level)			
Frequency **Percent** **Row Pct** **Col Pct**	**.**	**Teach college-level only**	**Teach dev or both**	**Total**
.	2 . . .	364 . . .	144 . . .	. .
No readiness assessment	7 . . .	1613 34.20 81.75 45.85	360 7.63 18.25 30.03	1973 41.83
Used some assessment	6 . . .	1905 40.39 69.42 54.15	839 17.79 30.58 69.97	2744 58.17
Total	. .	3518 74.58	1199 25.42	4717 100.00
Frequency Missing = 523				

Statistics for Table of prep_any by teachdev_r

Statistic	DF	Value	Prob
Chi-Square	1	92.0346	<.0001
Likelihood Ratio Chi-Square	1	94.4825	<.0001
Continuity Adj. Chi-Square	1	91.3854	<.0001
Mantel-Haenszel Chi-Square	1	92.0151	<.0001
Phi Coefficient		0.1397	
Contingency Coefficient		0.1383	
Cramer's V		0.1397	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	1613
Left-sided Pr <= F	1.0000
Right-sided Pr >= F	<.0001
Table Probability (P)	<.0001
Two-sided Pr <= P	<.0001

Effective Sample Size = 4717
Frequency Missing = 523

Table of ASSESACT by teachdev_r				
ASSESACT(IF PREPWR,PREPOR, PREON, PREPCA - Most common action based on results (1-5))	teachdev_r(Dichotomous, = 1 if teaching dev ed only or both dev and college-level)			
Frequency Percent Row Pct Col Pct	.	Teach college-level only	Teach dev or both	Total
.	9 . . .	2016 . . .	510 . . .	. .
I recommend to a student that he/she use tutoring or other academic support service	5 . . .	875 32.42 65.69 46.89	457 16.93 34.31 54.86	1332 49.35
I recommend to academic advising or student services that a student be placed in another course or level	0 . . .	62 2.30 52.10 3.32	57 2.11 47.90 6.84	119 4.41
I adjust my course pedagogy or approach	0 . . .	665 24.64 73.32 35.64	242 8.97 26.68 29.05	907 33.61
I advise a student to drop the course	0 . . .	40 1.48 80.00 2.14	10 0.37 20.00 1.20	50 1.85
Other	1 . . .	224 8.30 76.98 12.00	67 2.48 23.02 8.04	291 10.78
Total	. .	1866 69.14	833 30.86	2699 100.00
Frequency Missing = 2541				

Statistics for Table of ASSESACT by teachdev_r

Statistic	DF	Value	Prob
Chi-Square	4	42.1783	<.0001
Likelihood Ratio Chi-Square	4	41.7867	<.0001
Mantel-Haenszel Chi-Square	1	25.2024	<.0001
Phi Coefficient		0.1250	
Contingency Coefficient		0.1240	
Cramer's V		0.1250	

Effective Sample Size = 2699
Frequency Missing = 2541

WARNING: 48% of the data are missing.