



**CAREER AND TECHNICAL
EDUCATION IN INDIANA:
LONGITUDINAL STUDY WITH
COMPARSION REPORT**

June 10, 2009

Presented by:

Charles Feldhaus

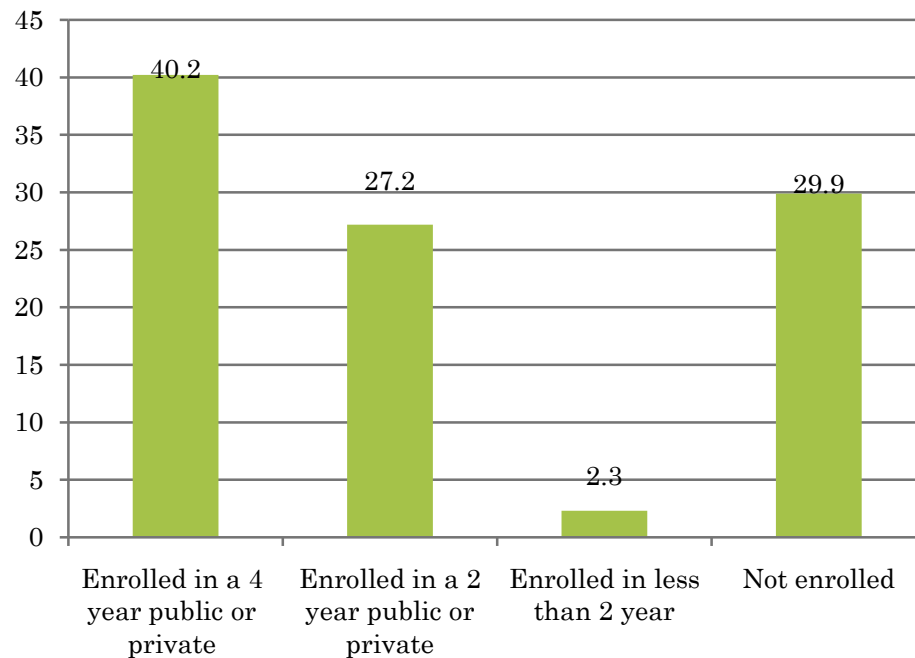
Nathan Mott

COMPARISONS 2007-2008

The following are comparisons between the Class of 2006 Indiana Career and Technical Education CTE study performed by Nathan Mott and Charlie Feldhaus and National data found by Stephanie Fulford. The tables from the original study have been left in red and blue in order to be easily recognized. Comparisons with national data from various studies are seen in green. The following are comparisons for questions 1, 3, 5, 6, 8, and 12.



QUESTION 1 COMPARISON: ENROLLMENT IN COLLEGE



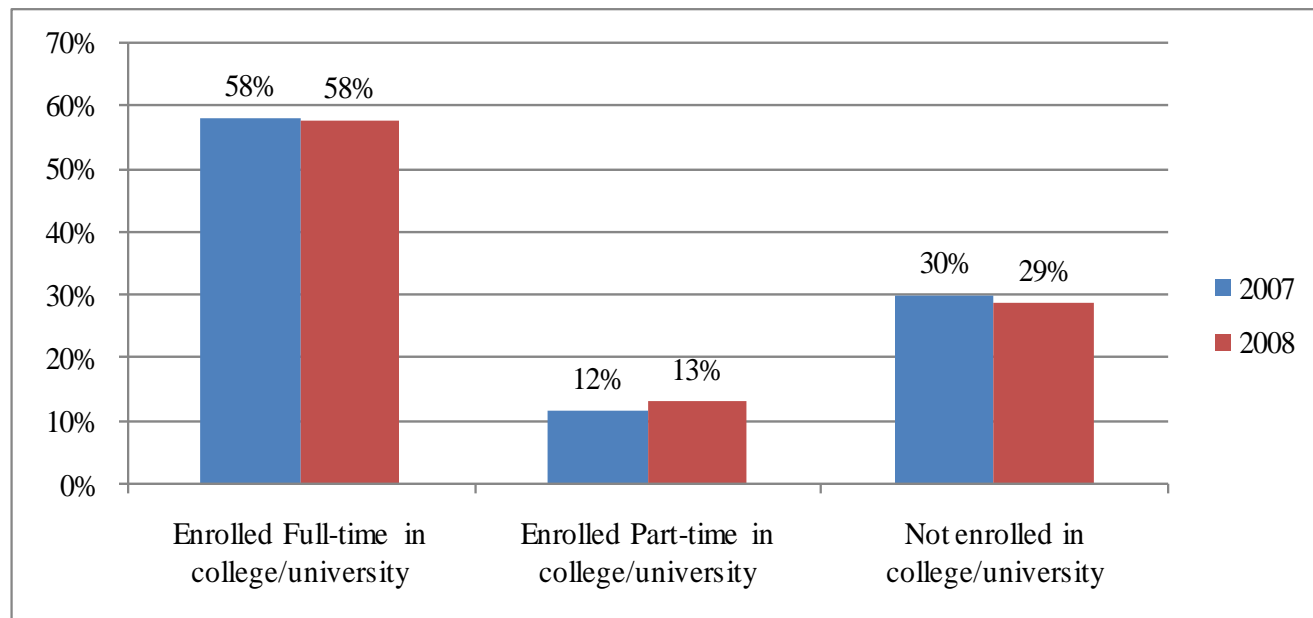
From **The Educational Longitudinal Study of 2002 (ELS: 2002)** A First Look at the Initial Postsecondary Experiences of the High School Sophomore Class of 2002

This difference between this question and the CTE question lies in the fact that the national data is split between two year programs and four year programs. At first, the results of the CTE data seem to be much more promising, with 58% of 2007 and 2008 graduates enrolled full time in college, instead of 40.2% enrolled in the national data. However, the CTE results may include those who are enrolled in a two year program. Therefore, the national data would now exceed the CTE data with 67.2% of graduates enrolled full time in college.



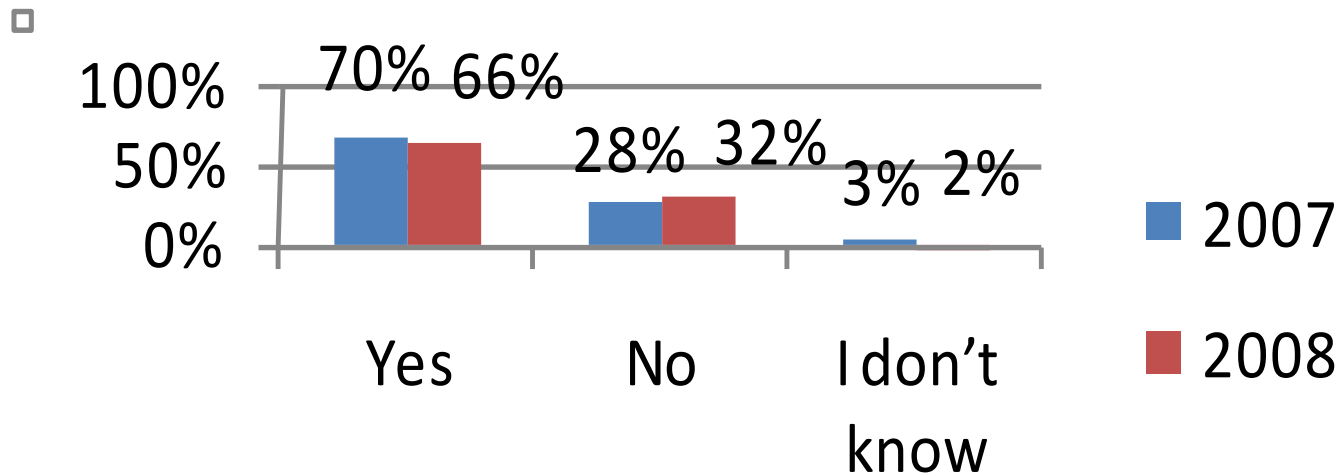
ENROLLMENT IN COLLEGE

1. Are you presently: *N=93, 2007 N= 83, 2008 (enrollment in percent)*
Enrolled full-time in college/university degree program? *(Go on to the next question)*
Enrolled part-time in college/university degree program? *(Go on to the next question)*
Not enrolled in college/university degree program? *(Skip to question 6)*



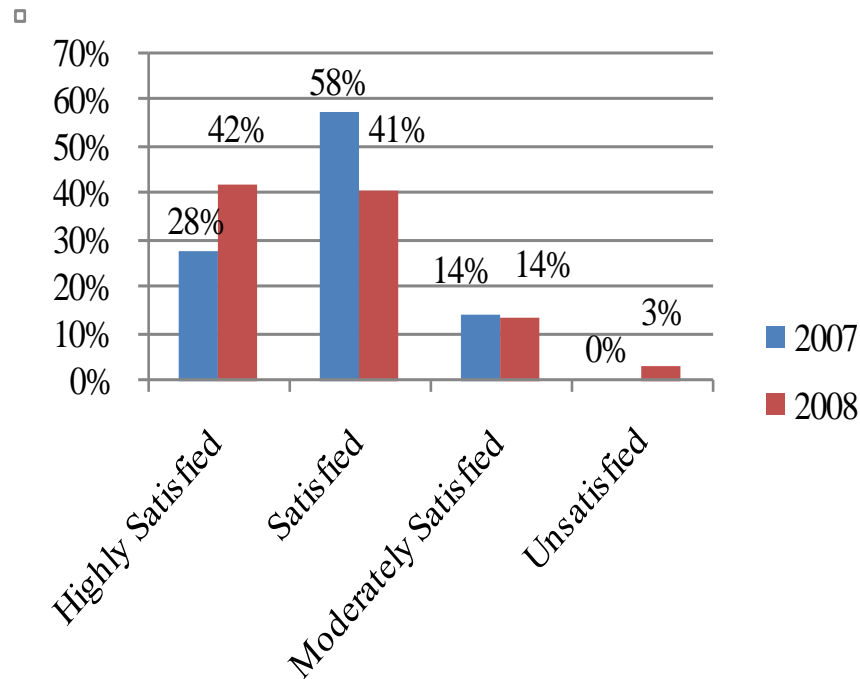
COLLEGE RELATED TO CTE

2. Are you participating in a college/university degree program related to Career/Technical Education experiences in which you participated in high school?



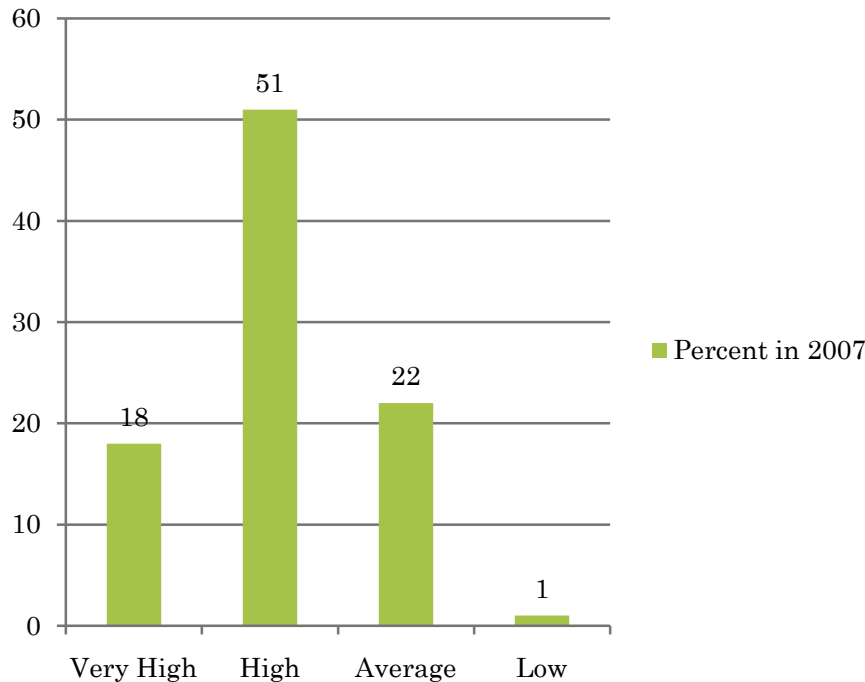
SATISFIED WITH PROGRAM

How satisfied are you with your present college/university degree program?



QUESTION 3: SATISFACTION WITH CURRENT PROGRAM

The CEEP Study asked how respondents view the quality of education in Indiana. The respondents were mixed between typical college students and those who are older with children. Older respondents, individuals with some college education or more, and respondents with children presently enrolled in postsecondary education programs, were the Hoosiers most likely to rate the four year public universities as very high quality or high quality. The CTE data and the National data make an interesting comparison, as the CTE data asks those who are currently in college, and the national data was not limited to college students.



This data is taken from the CEEP website: **2007 Public Opinion Survey on Higher Education Issues in Indiana**

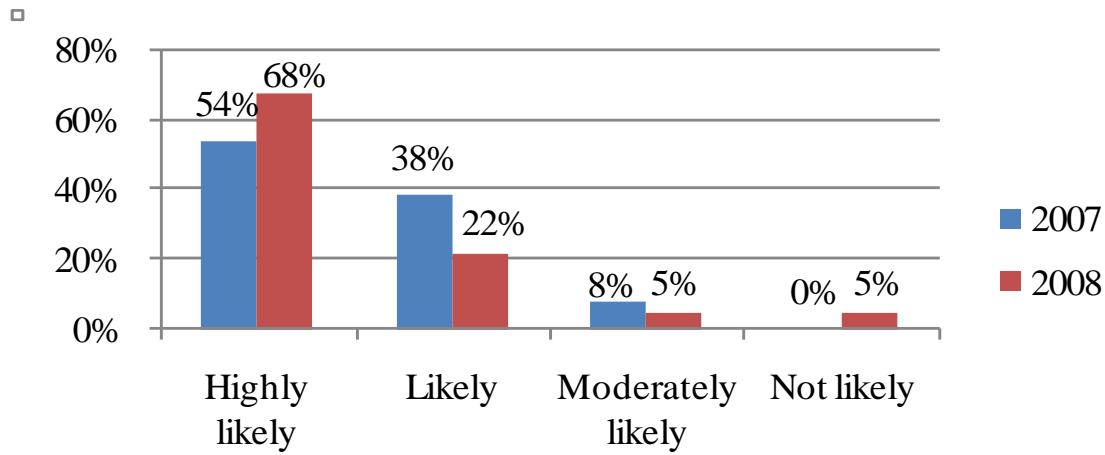


STAY IN SCHOOL

4. How likely are you to stay with your present college/university degree program?

- Highly Likely
- Likely
- Moderately Likely
- Not Likely

(Go on to the next question)

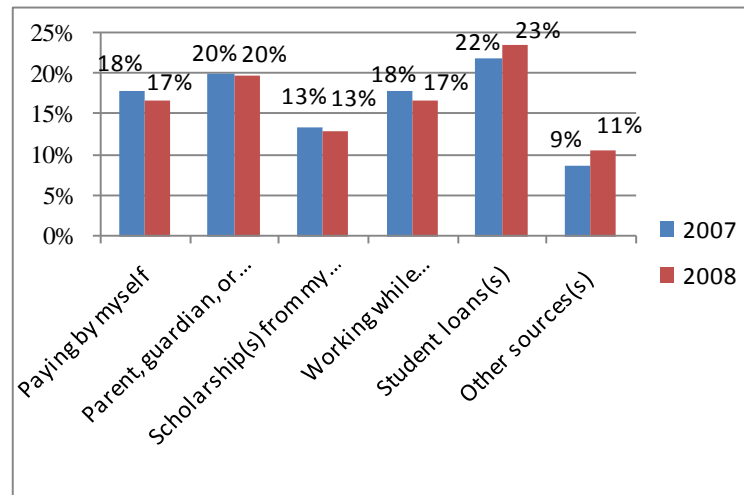


PAYING FOR SCHOOL

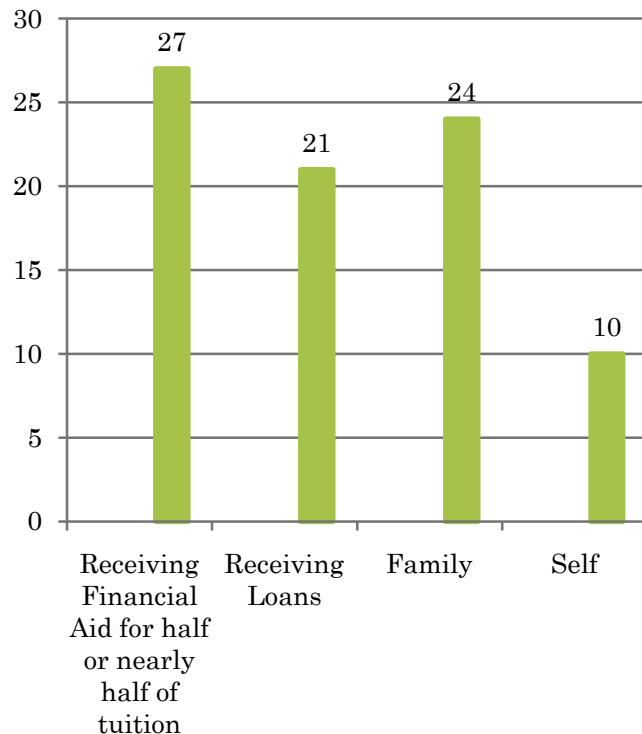
5. How are you financing your education? (Check all that apply)

- Paying for school myself
- Parent, guardian, or other family member provides support
- I received scholarship(s) from the college/university I attend
- I am working to support myself while attending school
- Student loan(s)
- Other source(s) of financial support

(Skip to question 8)



QUESTION # 5: FINANCING OF EDUCATION



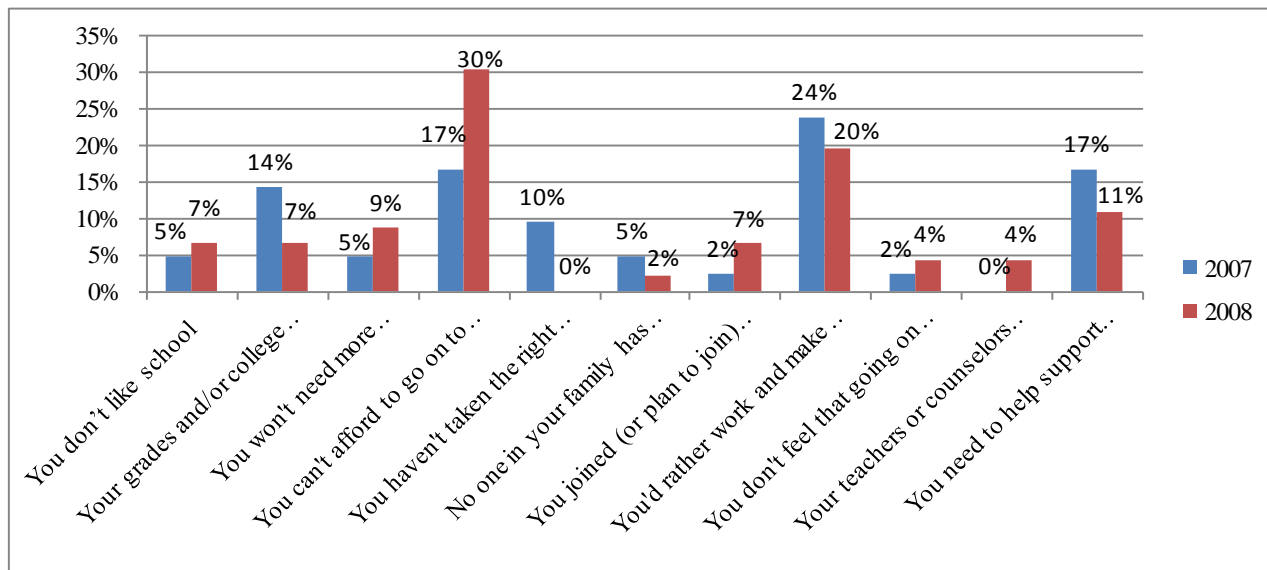
This data taken from **Beginning College Survey of Student Engagement: 2008**

The national data seen here does not include all of the areas in which college students were said to receive financial help. Only those areas that can be compared with the CTE study are included in this graph, thus the numbers do not add to 100. According to the national data, 21% of national students are receiving loans, while 23% of 2008 students received loans in the CTE study. Also, 24% of national students receive financial aid from family, while only 20% of CTE students received financial assistance from family. The number of CTE students paying for college by themselves was higher with 17% of 2008 students as opposed to 10% nationally.

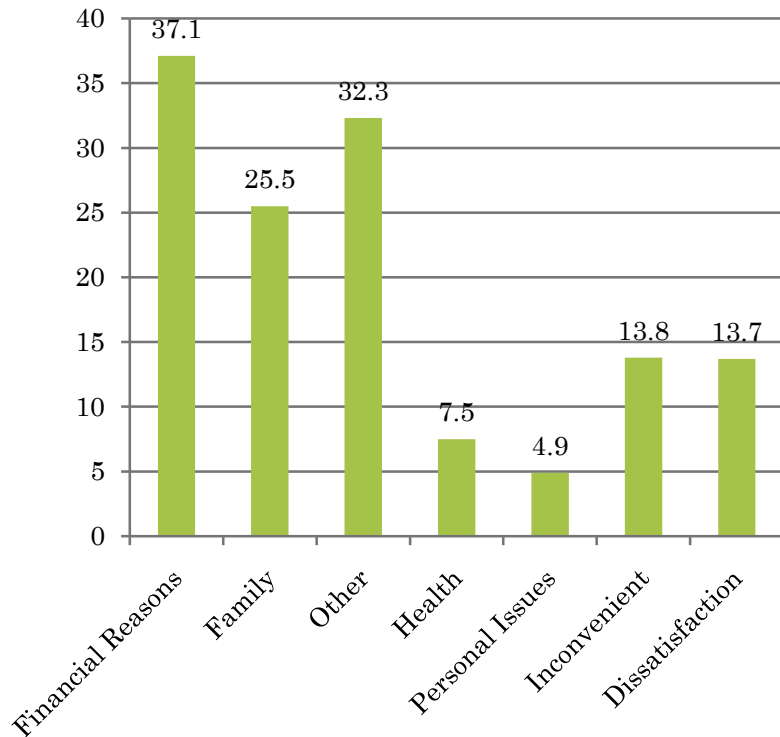
WHY NOT ENROLLED

Not enrolled $N=42$, 2007 $N= 46$, 2008

6. If not enrolled in a college/university degree program, which are the following reasons why you have decided not to continue your education after high school? (Check all that apply)



QUESTION # 6: REASONS FOR DISCONTINUANCE OF EDUCATION



The most notable comparison between these two sets of data is that financial reasons account for the highest reason that students do not attend college, with 37.1% in the national data and 30% in the CTE data citing this reason. It is also to be noted that not all of the reasons for not attending school have been included in the national data. Only those reasons that were compatible with those found in the CTE study have been included.

This data taken from **The Educational Longitudinal Study of 2002 (ELS: 2002): A First Look at the Initial Postsecondary Experiences of the High School Class of 2002**

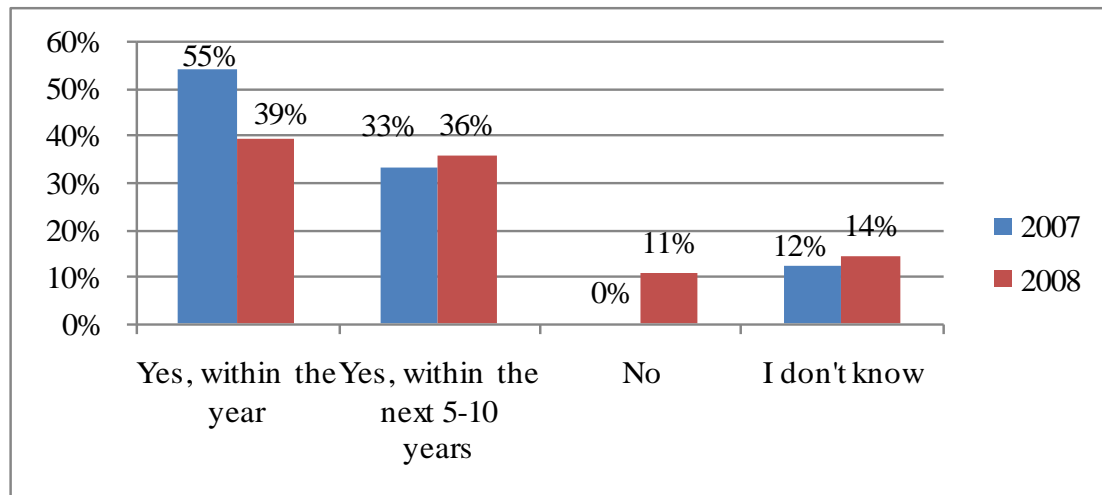


PLAN TO CONTINUE EDUCATION

7. Do you plan to continue your education at some time in the future? $N=33$, 2007 $N=28$, 2008

- Yes, within the next year
- Yes, within the next 5-10 years
- No
- I don't know

(Go on to the next question)

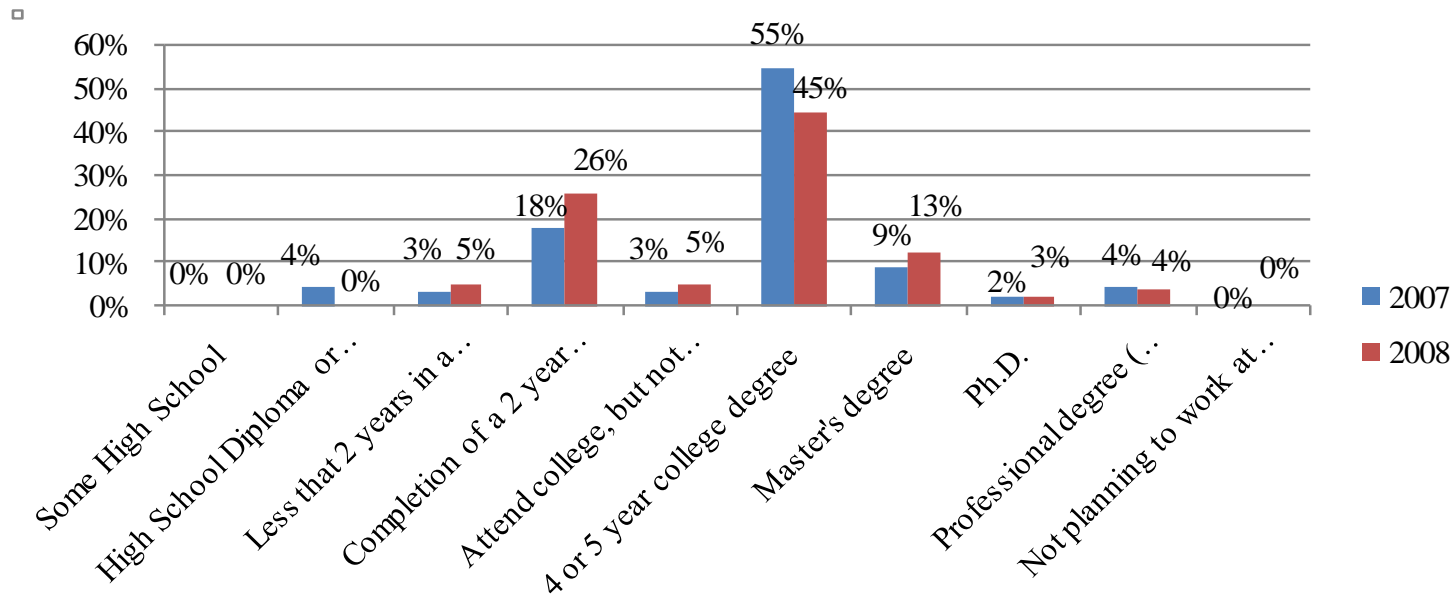


NEEDED EDUCATION

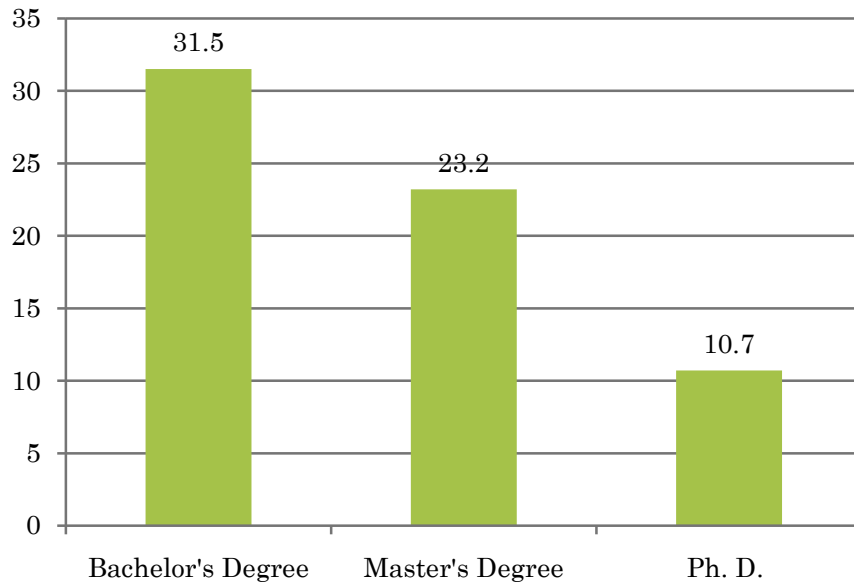
8. How much education do you think you need to get the job you expect to have or plan to have when you are 30 years old?

N=101 –12 (NR)

(Go on to the next question)



QUESTION 8: AMOUNT OF NEEDED EDUCATION



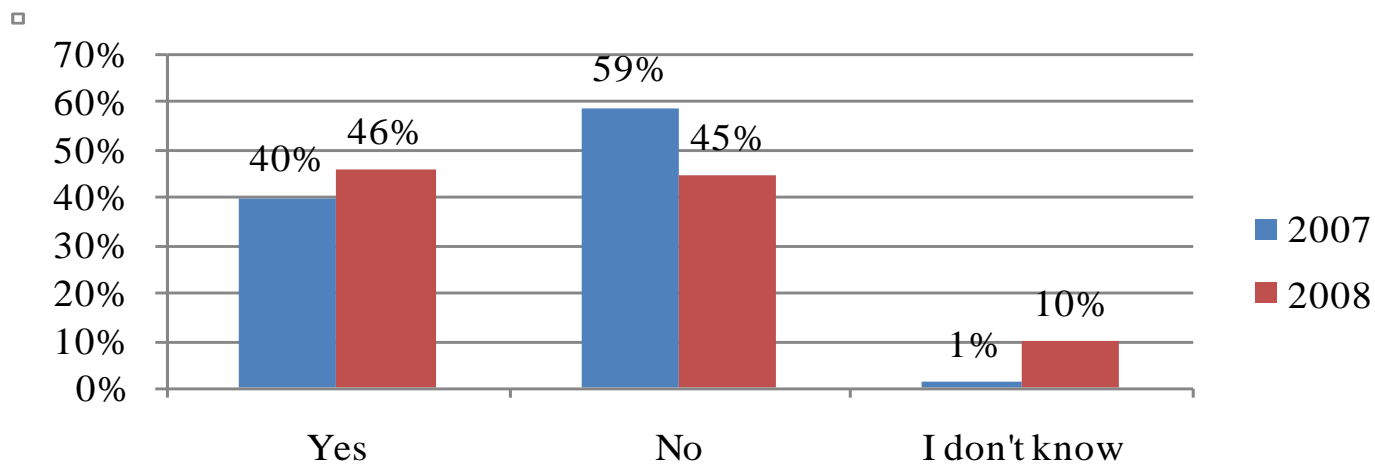
Although the national data only contains three possible degrees, it can still be easily compared with the CTE data. A bachelor's degree can be compared to a four or five year college degree. Nationally, 31.5% of students felt that they needed a Bachelor's Degree, while 45% of CTE students felt they needed a Bachelor's Degree. It is interesting to see the large discrepancy between national data and CTE data regarding attainment of Master's Degree and a Ph. D.

This taken from **The Educational Longitudinal Study of 2002 (ELS: 2002): A First Look at the Initial Postsecondary Experiences of the High School Class of 2002**



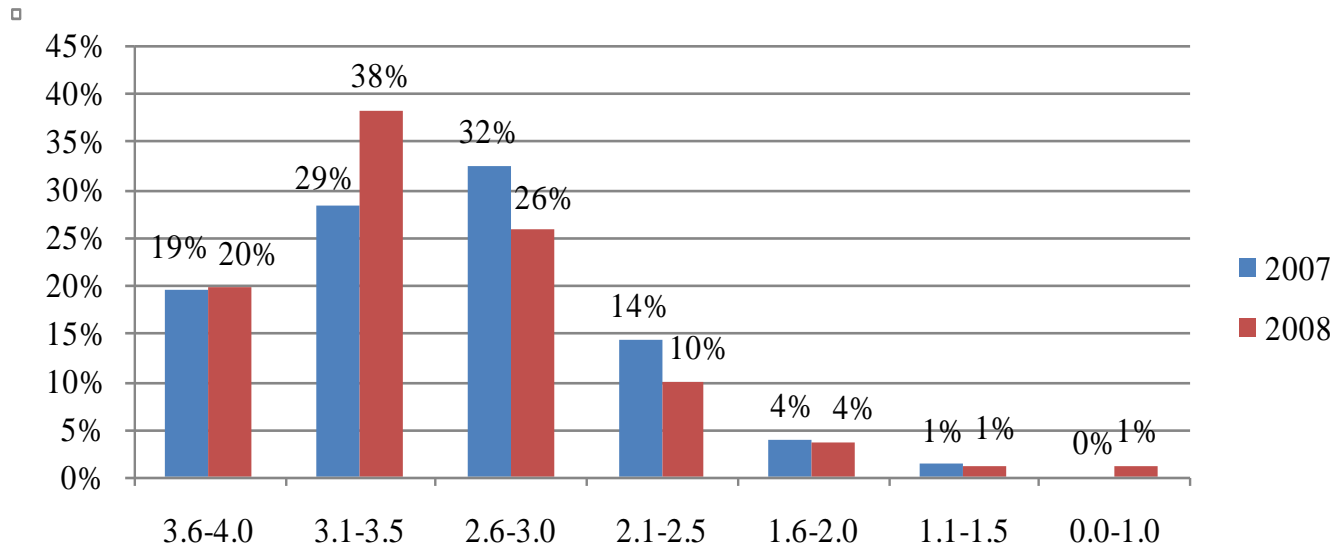
TRAINING

9. Have you participated in any training or continuing education (NOT including college or university courses or programs) related to Career/Technical Education experiences in which you participated in high school? *N=95, 2007 N= 83, 2008*



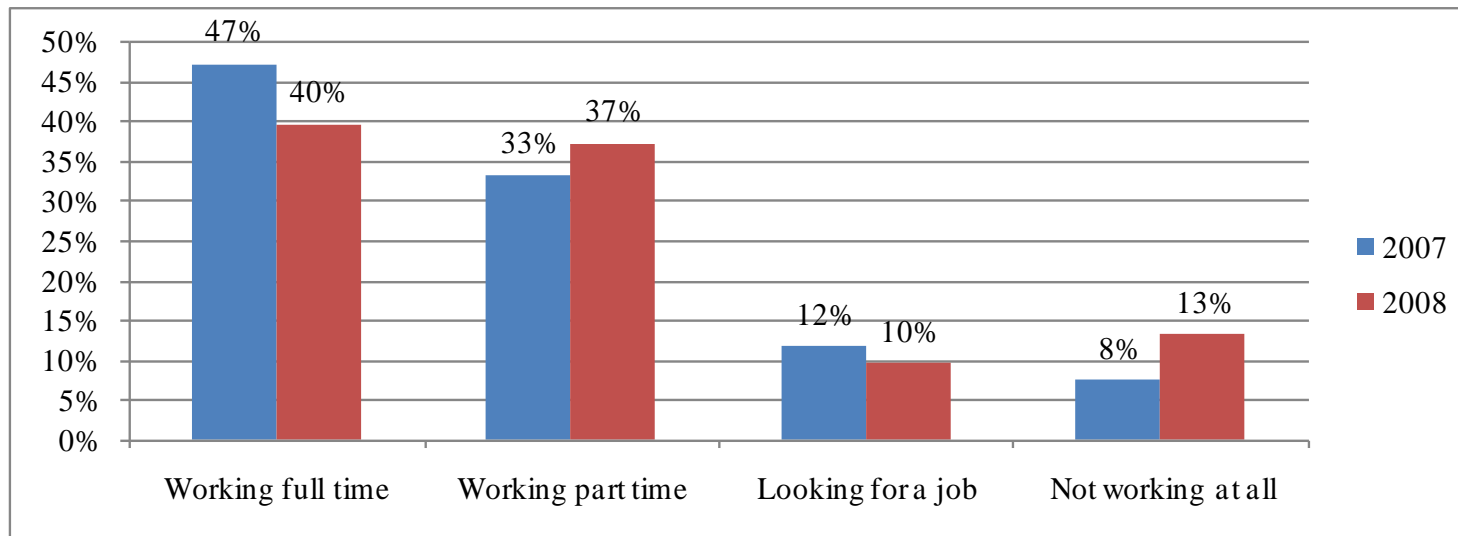
GPA

10. On a four point scale what was your Graduating GPA score?
N=69, 2007 N= 59, 2008

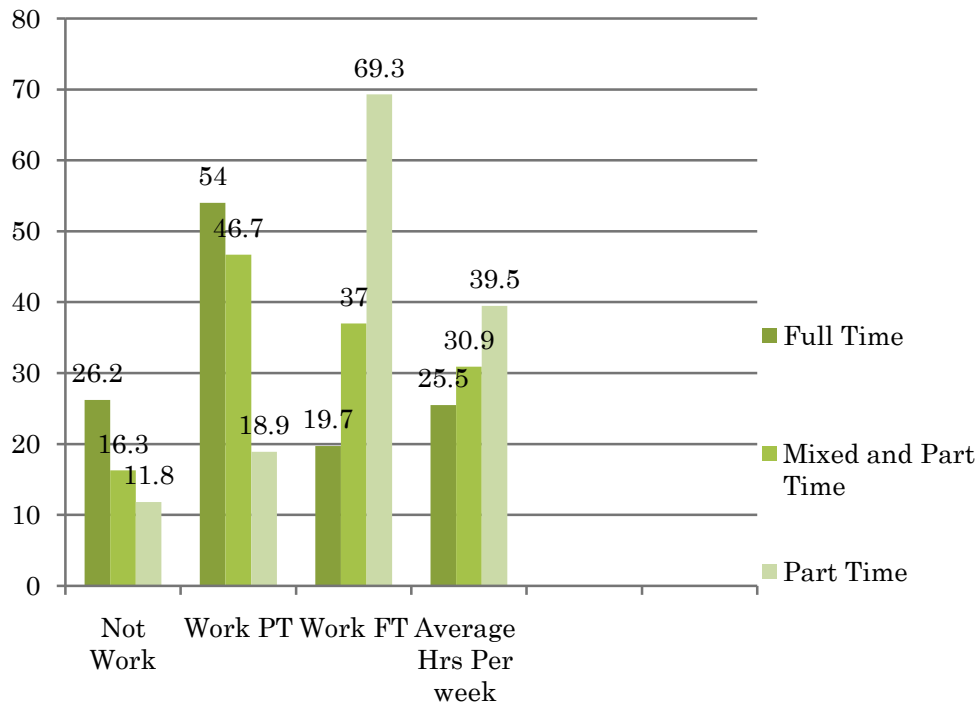


WORKING

12. Are you presently: *N=93, 2007 N= 83, 2008*
- Working full time (30+ hours/week)? *(Go on to the next question)*
 - Working part time (fewer than 30 hours/week)? *(Go on to the next question)*
 - Looking for a job? *(Skip to question 17)*
 - Not working at all? *(Skip to question 18)*



QUESTION 12: WORK DURING COLLEGE



It is interesting to see the national data set because it tells us of those students who are working full time, how many are going to school full time also. That may be helpful for the CTE study to include that information in next year's results. In order to compare the data most accurately, it would be helpful to see the amount of school credits the CTE students are taking while working. However, comparing these charts can still be useful for information.

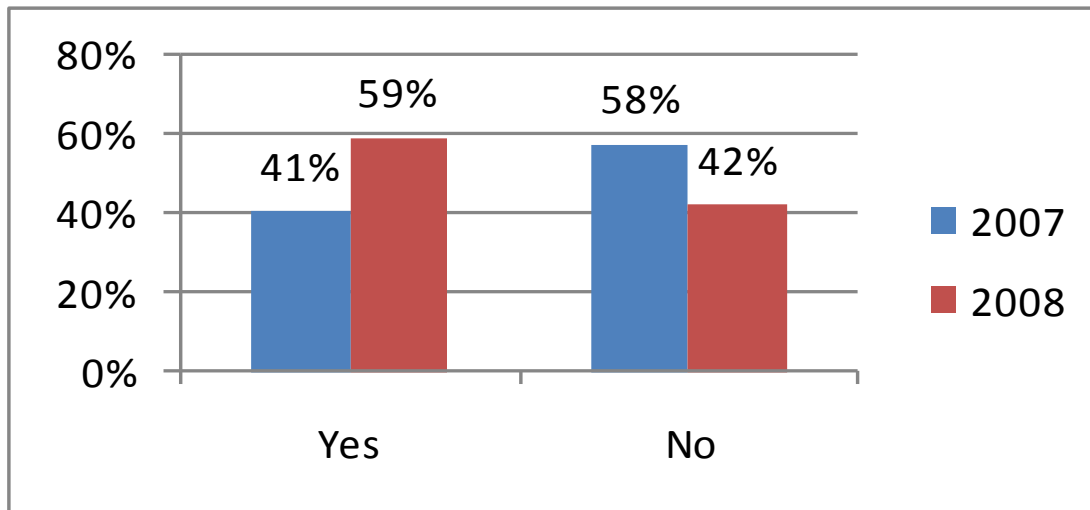
Taken from **The Educational Longitudinal Study of 2002 (ELS: 2002): A First Look at the Initial Postsecondary Experiences of the High School Class of 2002**



WORK RELATED TO CTE

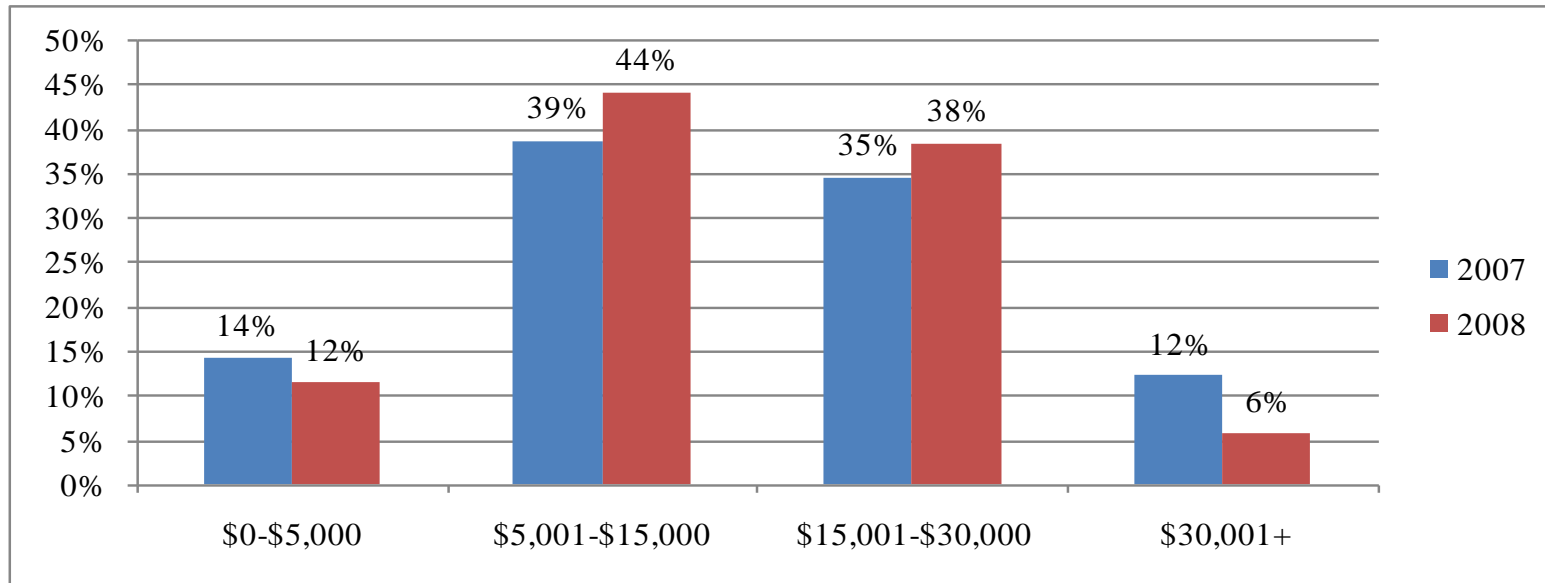
Working full or part time $N=81$, 2007 $N= 64$, 2008

13. Are you employed in a job related to Career/Technical Education experiences in which you participated in high school?



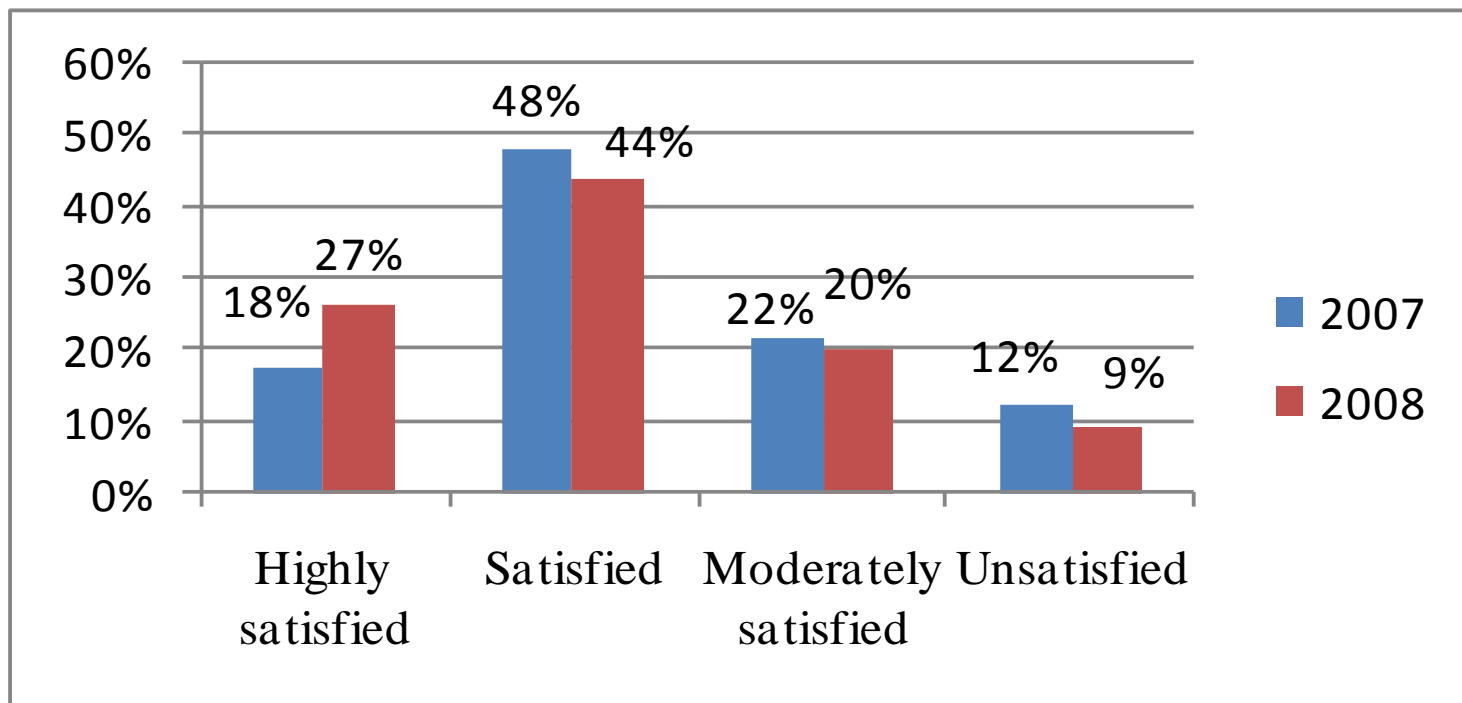
INCOME

14. In thousands (e.g. \$25,000), what is the approximate annual salary for your present job? *N=49, 2007 N= 52, 2008*



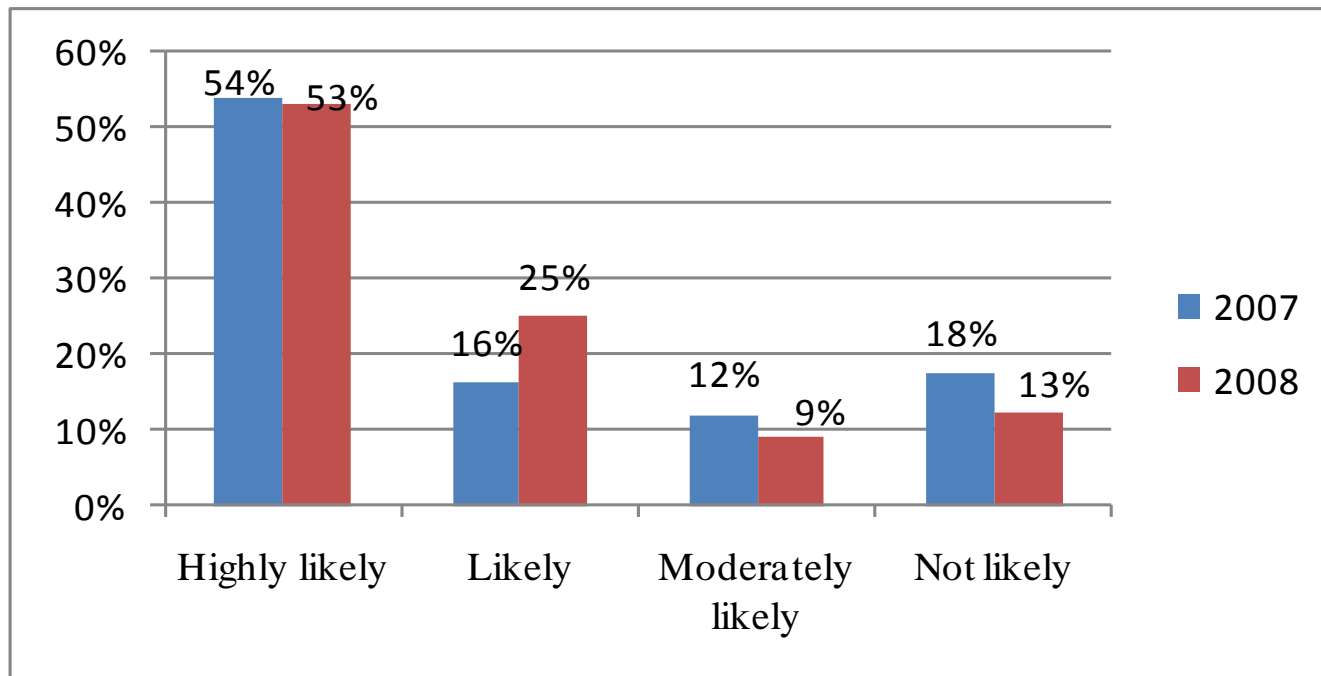
SATISFIED WITH PRESENT JOB

15. How satisfied are you with your present job? *N=73, 2007 N= 64, 2008*



STAY WITH PRESENT JOB

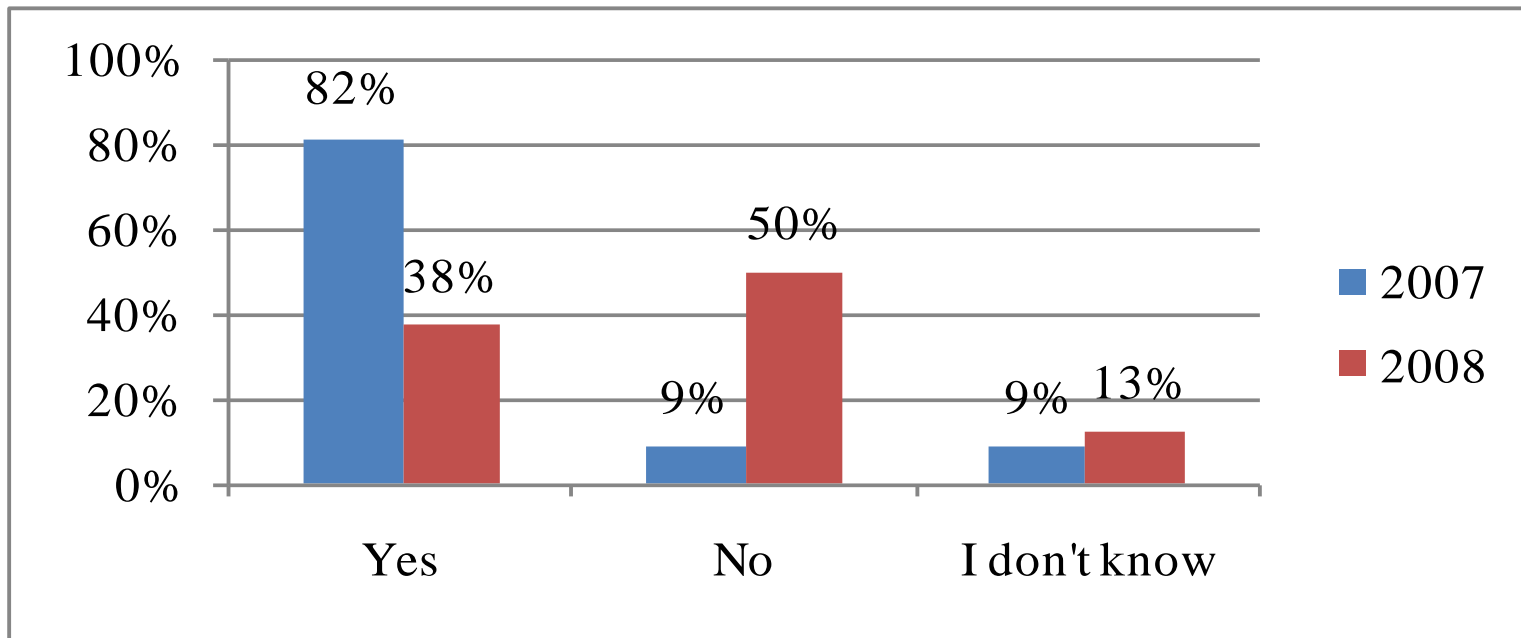
16. How likely are you to stay with your present job for the next 6 months? *N=74, 2007 N= 64, 2008*



LOOKING FOR A JOB

Looking for a job *N=11, 2007 N= 8, 2008*

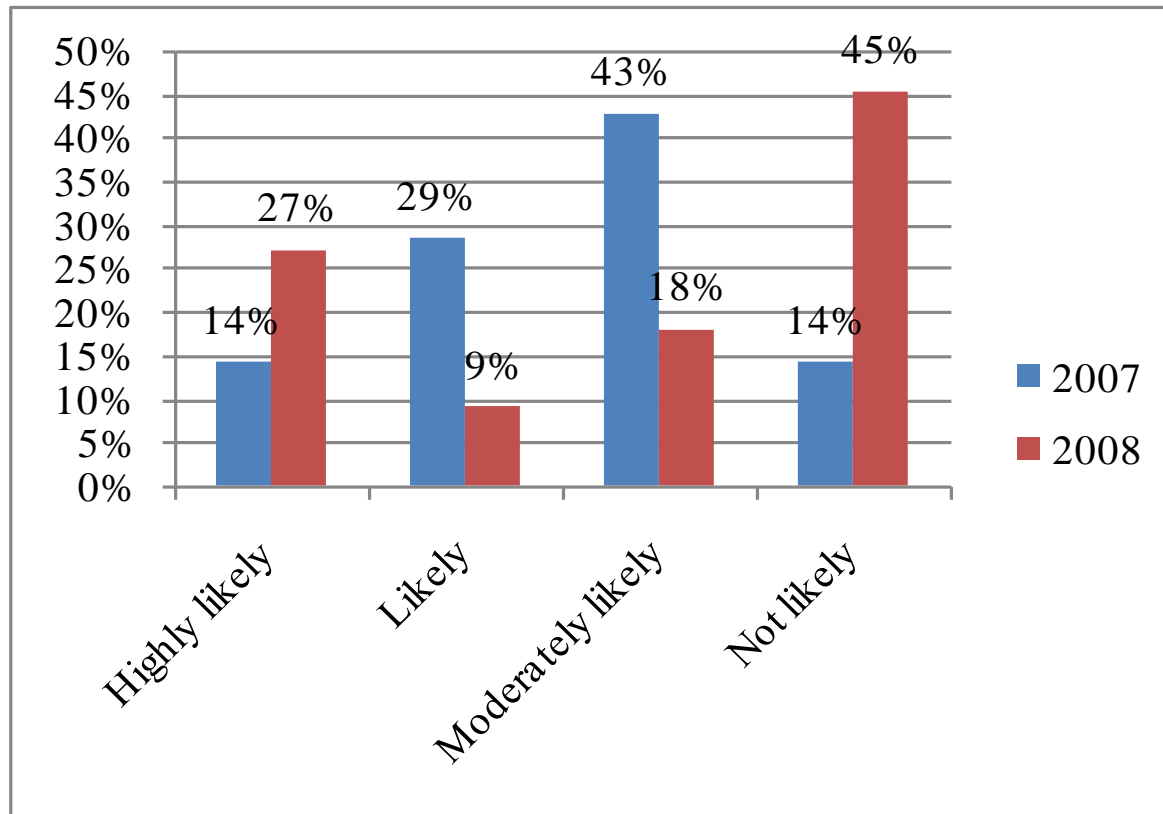
17. If looking for a job, do you anticipate finding employment related to Career/Technical Education experiences in which you participated in high school?



LIKELY TO BE WORKING

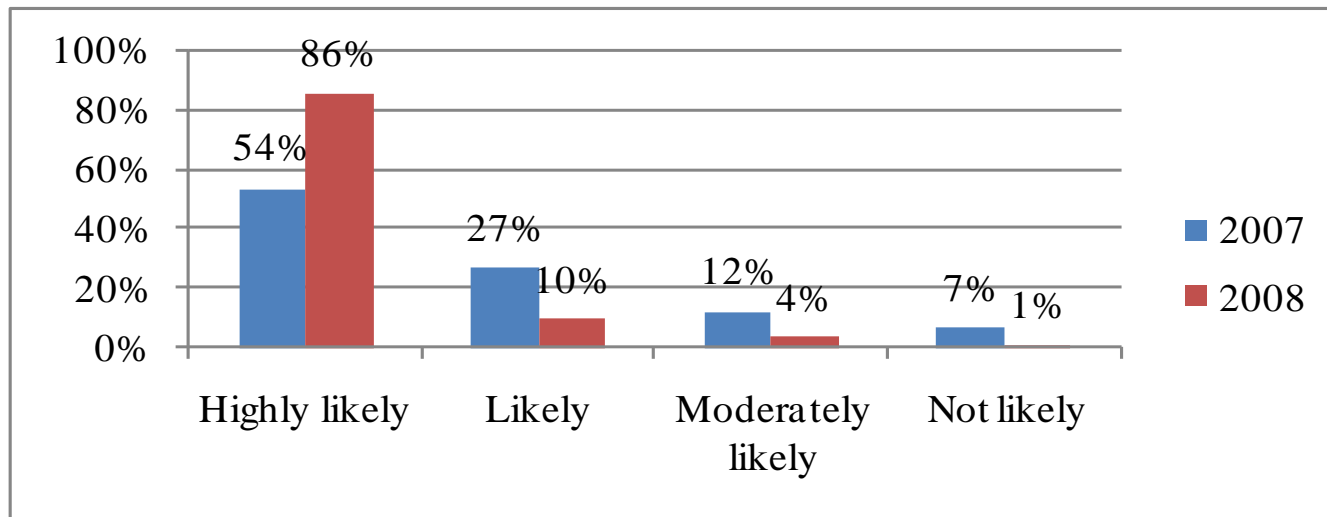
Not working at all $N=11$, 2007 $N= 8$, 2008

18. How likely are you to be working (full- or part-time) in the next 6 months?



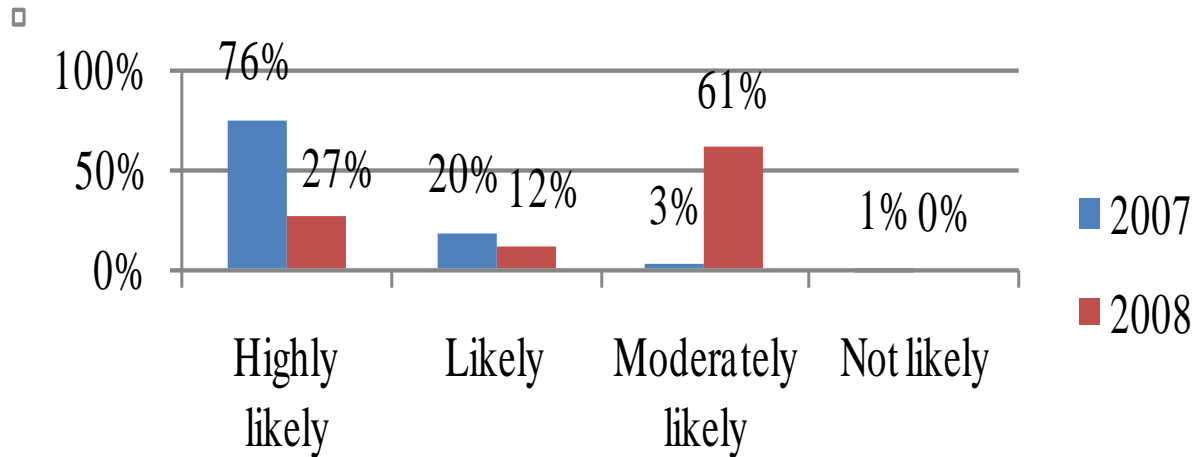
LIVING IN INDIANA

19. How likely are you to be residing in the State of Indiana in the next 5 years? *N*=89, 2007 *N*= 83, 2008

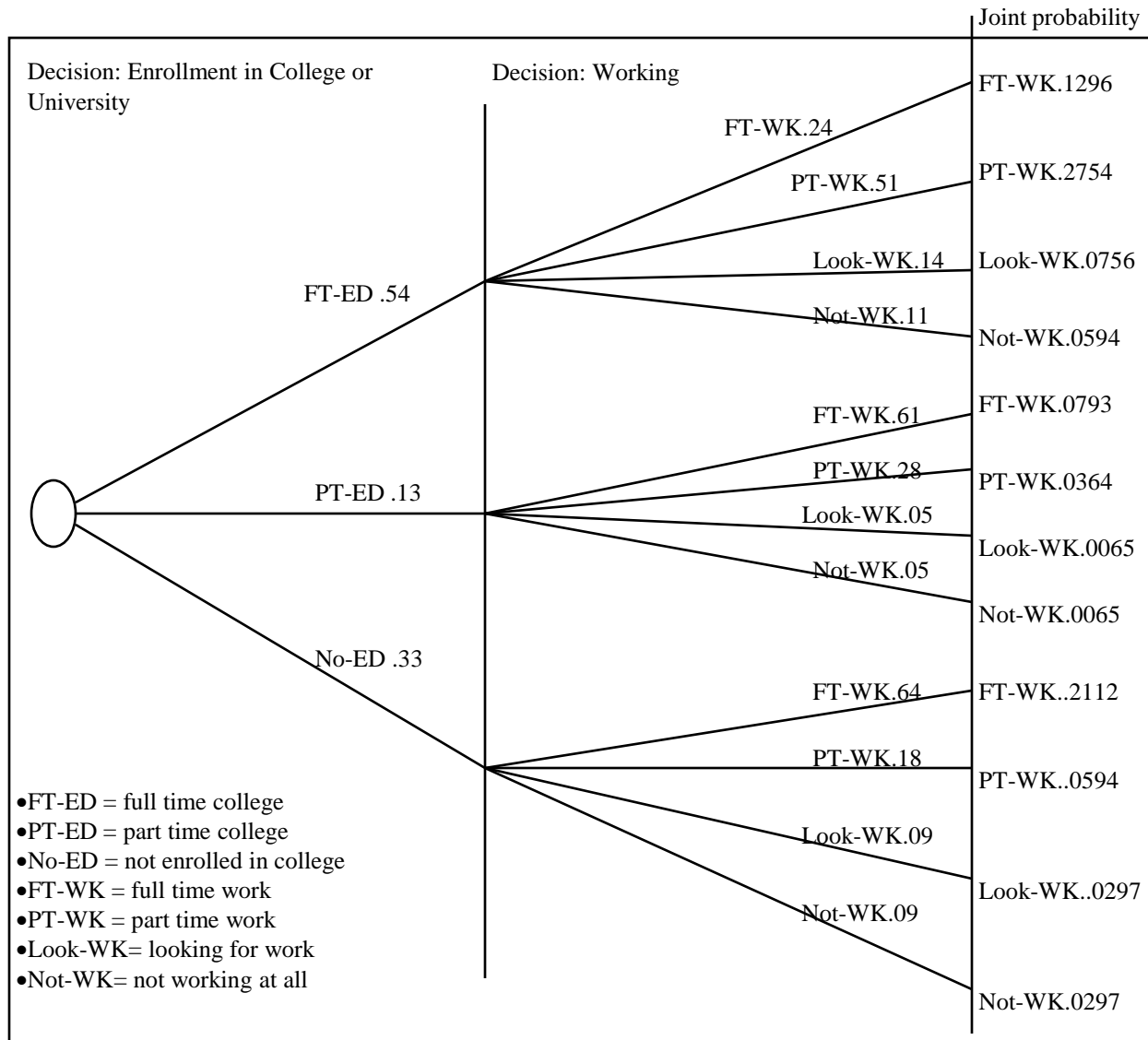


LIKELY TO BE WORKING

20. How likely are you to be working (full- or part-time) in the next 5 years? $N=101-9$ (NR)



CTE Decision Making Tree for 2006 Graduates in 2007 and 2008



WORK CITED

Center for Postsecondary Research, I. U. (2008). *Beginning College Survey of Student Engagement*. Retrieved April 20, 2009, from National Survey of Student Engagement:

[http://bcsse.iub.edu/pdf/BCSSE%20Institutional%20Report%20\(NSSEville\).pdf](http://bcsse.iub.edu/pdf/BCSSE%20Institutional%20Report%20(NSSEville).pdf)

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