

Greater Louisville Project's Jefferson County Education Pipeline Data Sources and Explanations – October 1, 2008

10,100 - Born

Source: Kentucky Department for Public Health. Explanation: The number of children born in Jefferson County in 1989, which is when the cohort depicted in the pipeline would graduate high school 17 years later in 2006, the latest year of high school graduation data available when pipeline was created. Note: roughly 10,000 children are born in Jefferson County each year.

6,900 – Graduate from High School

5,000 from JCPS **Source:** Jefferson County Public Schools Transition to Adult Life Data 2006. **Explanation:** 5,049 is the number of graduates from the class of 2006, the latest available data. Rounded to 5,000.

1,500 from Catholic. **Source:** Louisville Catholic High Data, 2006. **Explanation:** 1454 is the number of graduates from Catholic high schools in 2006. Rounded to 1,500.

400 from Private. **Source:** JCPS Private and Catholic School Enrollment Data, 2006-07, JCPS Office of Research and Accountability. **Explanation:** JCPS file reported 380 12th graders enrolled in Private, Non-Catholic schools in 2006. Because a graduation rate for private schools could not be found, GLP used the Catholic school graduation rate of 99.5%, as reported in the Catholic High School data file, and multiplied by the number of 12th graders, which results in 378 private school graduates in 2006. Rounded to 400.

30 from Home School. **Source:** JCPS Private and Catholic School Enrollment Data 2006-07, JCPS, Office of Research and Accountability. **Explanation:** JCPS file reported 31 12th graders enrolled in Home School in 2006. Because a graduation rate for home schools could not be found, GLP used the Catholic school graduation rate of 99.5%, as reported in the Catholic High School data file, multiplied by the number of 12th graders. Rounded to 30.

3,200 Do Not Graduate from High School

Explanation: 10,100 born minus 6,900 who graduate from high school equals 3,200.

5,500 Enter Post-secondary (4,100, 4-year enrollees + 1,400, 2-year enrollees)

4,100 Enter 4-year Institutions (2,457+1,279+333+27=4,096. Rounded to 4,100)

2,457 from JCPS. **Source:** Jefferson County Public Schools Transition to Adult Life Data, 2006, Jefferson Community and Technical College 2006 Freshmen Enrollment Data, Council on Postsecondary Education, High School Feedback Reports, 2004. **Explanation:** JCPS includes students seeking a postsecondary degree, either an AA or BA degree, in one general "college" category. GLP separated out the 2-year college enrollees from the 4-year college enrollees using data from the Council on Postsecondary Education's High School Feedback reports and JCTC. JCPS also reports a category "working and going to school" in the Transition to Adult Life file. GLP apportioned this number as well, using similar methodology, to ensure that these students were captured in the 2-year and 4-year college enrollment numbers.

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1,279 from Catholic Schools. **Source:** Louisville Catholic High Data, 2006 **Explanation:** Catholic School Data sheet reported 88% of graduates enrolled in a 4-year college. There were 1,454 Catholic High School graduates in 2006 (88% of 1,454 is 1,279).

333 from Private Schools. **Explanation:** Because a 4-year college enrollment rate for private school graduates could not be found, GLP used the Catholic school 4-year college enrollment rate of 88% multiplied by the number of private school graduates. There were 378 private high school graduate in 2006 (88% of 378 is 333).

27 from Home School. **Explanation:** Because a 4-year college enrollment rate for home school graduates could not be found, GLP used the Catholic school 4-year college enrollment rate of 88% multiplied by the number of home school graduates. There were 30 home school graduates in 2006 (88% of 30 is 27).

1,400 Enter 2-year Institutions (1,204 + 145 + 38 + 3 = 1,390. Rounded to 1,400)

1,204 from JCPS. **Explanation:** JCPS includes students seeking a postsecondary degree, either an AA or BA degree, in one general "college" category. GLP separated out the 2-year college enrollees from the 4-year college enrollees using data from the Council on Postsecondary Education's High School Feedback reports and JCTC. JCPS also reports a category "working and going to school" in the Transition to Adult Life file. GLP apportioned this number as well, using similar methodology, to ensure that these students were captured in the 2-year and 4-year college enrollment numbers.

145 from Catholic Schools. **Source:** Louisville Catholic High Data, 2006, "Profile of 2006 High School Graduates." **Explanation:** Data files reports 10% of graduates enrolled in vocational or associate degree programs. There were 1,454 Catholic High School graduates in 2006 (10% of 1,454 is 145)

38 from Private Schools. **Explanation:** Because a 2-year college enrollment rate for private school graduates could not be found, GLP used the Catholic school 2-year college enrollment rate of 10% multiplied by the number of private school graduates. There were 378 private high school graduates in 2006 (10% of 378 is 38)

3 from Home School. **Explanation:** Because a 2-year college enrollment rate for private school graduates could not be found, GLP used the Catholic school 2-year college enrollment rate of 10% multiplied by the number of home school graduates. There were 30 home school graduates in 2006 (10% of 30 is 3).

1,400 Do Not Enter Post-Secondary Institutions (1,200 + 100 + 140 = 1,440. Rounded to 1,400)

1,200 Go to Work

1,170 go to work from JCPS. **Source:** Jefferson County Public Schools Transition Data, Transition to Adult Life, 2006. **Explanation:** 1188 is the number of graduates from the class of 2006 who went to work after graduation from high. This number does not include students reported as "working and going to school"

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15 go to work from Catholic Schools. **Source:** Louisville Catholic High Data, 2006
Explanation: 1% of graduates go to work after graduation from high school. There were 1,454 graduates from Catholic Schools in 2006. 1% of 1,454 is 15.

4 go to work from private schools. **Explanation:** Because data on the number of private school graduates who go to work after high school graduation could not be found, GLP used the Catholic school rate of 1%. There were 378 private school graduates in 2006. 1% of 378 is 4 (rounded).

0 go to work from home schools. **Explanation:** Because data on the number of home school graduates who go to work after high school graduation could not be found, GLP used the Catholic school rate of 1%. There were 31 private school graduates in 2006. 1% of 31 is 0.

100 Enter Military

100 Enter the Military from JCPS. **Source:** Jefferson County Public Schools Transition to Adult life, 2006. **Explanation:** 100 is the number of graduates from the class of 2006 who entered the military after graduation from high school.

0 Enter the Military from Catholic, Private and Home Schools. **Explanation:** The Catholic School data file did not provide a percentage who enter the military. Therefore, this chart does not display a number of Catholic, Private or Home School graduates who enter the military (in order to remain consistent with previous logic).

140 Unaccounted For

118 JCPS Graduates Unaccounted for. **Source:** JCPS Transition to Adult Life, 2006.
Explanation: 118 is the number of graduates from the class of 2006 reported as having a "unsuccessful transition." (defined by JCPS as not working and not in school or the military, or unable to be contacted)

15 Catholic High School Graduates Unaccounted for. **Source:** Louisville Catholic High School data, 2006. **Explanation:** 1% of graduates reported as "undecided." There were 1454 graduates and 1% is 15.

4 Private School Graduates Unaccounted for. **Explanation:** Data on the number of private school graduates who are "undecided" or "unsuccessful" could not be located, so applied Catholic School "undecided" percentage of 1% to 378, the number of private school graduates.

0 Home School Graduates Unaccounted for. **Explanation:** Data on the number of home school graduates who are "undecided" or "unsuccessful" could not be located, so applied Catholic School "undecided" percentage of 1% to 31, the number of home school graduates.

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4,100 Remain after the First Year ($3,400 + 700 = 4,100$)

3,400 Remain in 4-year **Source:** Council on Postsecondary Education (CPE), High School Feedback Reports, 2004 (the latest year available) and CPE One-year retention of First-time freshman, original admission date, fall 2005. **Explanation:** CPE high school feedback reports tell us where each Jefferson County high school graduate enrolled in college in KY matriculates. In lieu of using one postsecondary institution's 1-year retention rate, GLP used information from the Jefferson County high school feedback reports to determine the number of graduates at each KY college. GLP then multiplied this number by each KY institution's 1-year retention rate in order to reflect a more accurate number of students retained. Each institution's retention rate is different, ranging from 60% for Kentucky State University to 87% for the University of Kentucky. GLP also calculated a percentage of students who enroll in college out of state, and applied the University of Kentucky's 1-year retention rate to this population (assumed that out-of-state students, many of which are enrolled in Ivy League schools, attend institutions with an academic rigor equal to or exceeding that of UK). JCPS reports that 15% of its college-going students enroll in out-of-state colleges. Since we do not have this percentage for Catholic or Private high schools, we calculated that 15% (614) of all college-going graduates from Jefferson County depicted in the pipeline attended out of state schools.

700 Remain in 2-Year **Source:** Council on Postsecondary Education (CPE), High School Feedback Reports, 2004 (the latest year available) and CPE One-year retention of First-time freshman, original admission date, fall 2005. **Explanation:** CPE High school feedback reports provide information on where each Jefferson County high school graduate enrolled in college in KY matriculates. In lieu of using the KCTCS' 1-year retention rate for all 2-year students, GLP used information from the Jefferson County high school feedback reports to determine the number of graduates at JCTC and other KCTC campuses. GLP then multiplied the number in each category by the institution's 1-year retention rate in order to reflect a more accurate number of students retained. JCTC's 1-year retention rate is 50.90% and KCTCS' 1-year retention rate is 57.5%.

70 Transfer from 2- to 4-year **Explanation:** **Source:** Council on Postsecondary Education, "2006-2007 Kentucky Transfer Student Feedback Reports," and data from Jefferson Community and Technical College on number of graduates from 2006-2007 who were graduates of Jefferson County high schools **Explanation:** Graduates from Jefferson County High Schools received 36.99% of JCTC's AA, AS or AAS awards in 2007. JCTC does not keep data on the number of Jefferson County High School graduates who transfer from JCTC to a 4-year institution. CPE keeps transfer data, but it may be undercounting because it is self-reported. However, it is currently the only data available on transfers. In AY 2006-2007, CPE reports 646 transfers from JCTC to a four-year institution. Dividing 646 by the number of students enrolled at JCTC would result in very low (and inaccurate) transfer rate. Therefore, GLP divided 646 by the number of credential-seeking students at JCTC who were graduates of Jefferson County high schools. In fall 2006, there were 4983 credential-seeking students at JCTC from Jefferson County high schools. $(36.99\% * 646) / 4983 = 4.80\%$ transfer rate. Multiplied this times the number of Jefferson County High School graduates at JCTC (899) to find that 43 JCTC students transferred. Then, GLP applied the KCTCS system transfer rate of 5.34% to the number of students at other KCTCS campuses (497) to find that 27 "other KCTC" students transferred. $43 + 27 = 70$.

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1,400 Drop Out After First Year ($700 + 700 = 1,400$)

700 Drop out of 4-Year **Explanation:** Number who enrolled in 4-year schools minus number who are retained after the first year ($4,100 - 3,400 = 700$)

700 Drop out of 2-Year **Explanation:** Number who enrolled in 2-year schools minus number who are retained after the first year ($1,400 - 700 = 700$)

2,500 Complete Degrees ($2,050 + 430 = 2,480$. Rounded to 2,500)

2,050 Complete a Bachelor's Degree **Source:** CPE "Six Year Graduation Rates at Four-Year Public Institutions, entering class of 2000." **Explanation:** Multiplied the graduation rate for each KY institution by the number of students in our pipeline who were enrolled in that institution to find the number of graduates from each institution. Multiplied the number of students enrolled in "out of state" colleges by the University of Kentucky's graduation rate, then added the graduates from KY institutions and the graduates from out-of-state institutions for a total of 2,050 Bachelor degrees.

Census Confirmation: From the 2006 ACS file, "Sex by Age by Educational Attainment for the Population 18 Years and Over" for Jefferson County, Kentucky, 20% of the young adult population, age 25-34 has a Bachelor's Degree only. Pipeline: 2,050 Bachelor's Degrees is 20% of the pipeline's birth cohort of 10,100.

430 Complete an AA, AAS, or AS **Source:** CPE "Three Year Graduation Rates at KCTCS, entering class of 2003" (latest available data). **Explanation:** JCTC provided the number of AA, AS, and AAS credentials awarded to graduates of Jefferson County high schools in AY 2006-2007. This number equates to a graduation rate that is higher than the CPE-reported rate (which was 9.4% for JCTC for the entering class of 2003) because it is based on credential-seeking students (not all enrolled students). We do not have similar numbers for other KCTCS campuses, so GLP multiplied the KCTCS system wide graduation rate by the number of students in our pipeline that were enrolled at other KCTCS campuses.

Additional 1,600 Drop Out Before Completing Degree

1,300 Drop Out of 4-year **Explanation:** Number of students who remained after the first year minus the number of Bachelor's Degrees awarded.

300 Drop Out of 2-year **Explanation:** Number of students who remained after the first year minus the number of AA, AAS or AS degrees awarded.

Census Confirmation: From the 2006 ACS file, "Sex by Age by Educational Attainment for the Population 18 Years and Over" for Jefferson County, Kentucky, 34.95% of the young adult population, age 25-34 has some college or an Associate's Degree and 34% of the pipeline cohort has some college or an Associate's Degree ($1,400$ who drop out of college the first year plus $1,600$ who drop out of college before completion plus 430 AA degrees divided by $10,100$ born = 34%).