

Getting the Best from Senate Bill 130

Kentucky School Boards Association 2006 Regional Meetings

Council on Postsecondary Education
1024 Capital Center Drive, Suite 320
Frankfort KY 40601

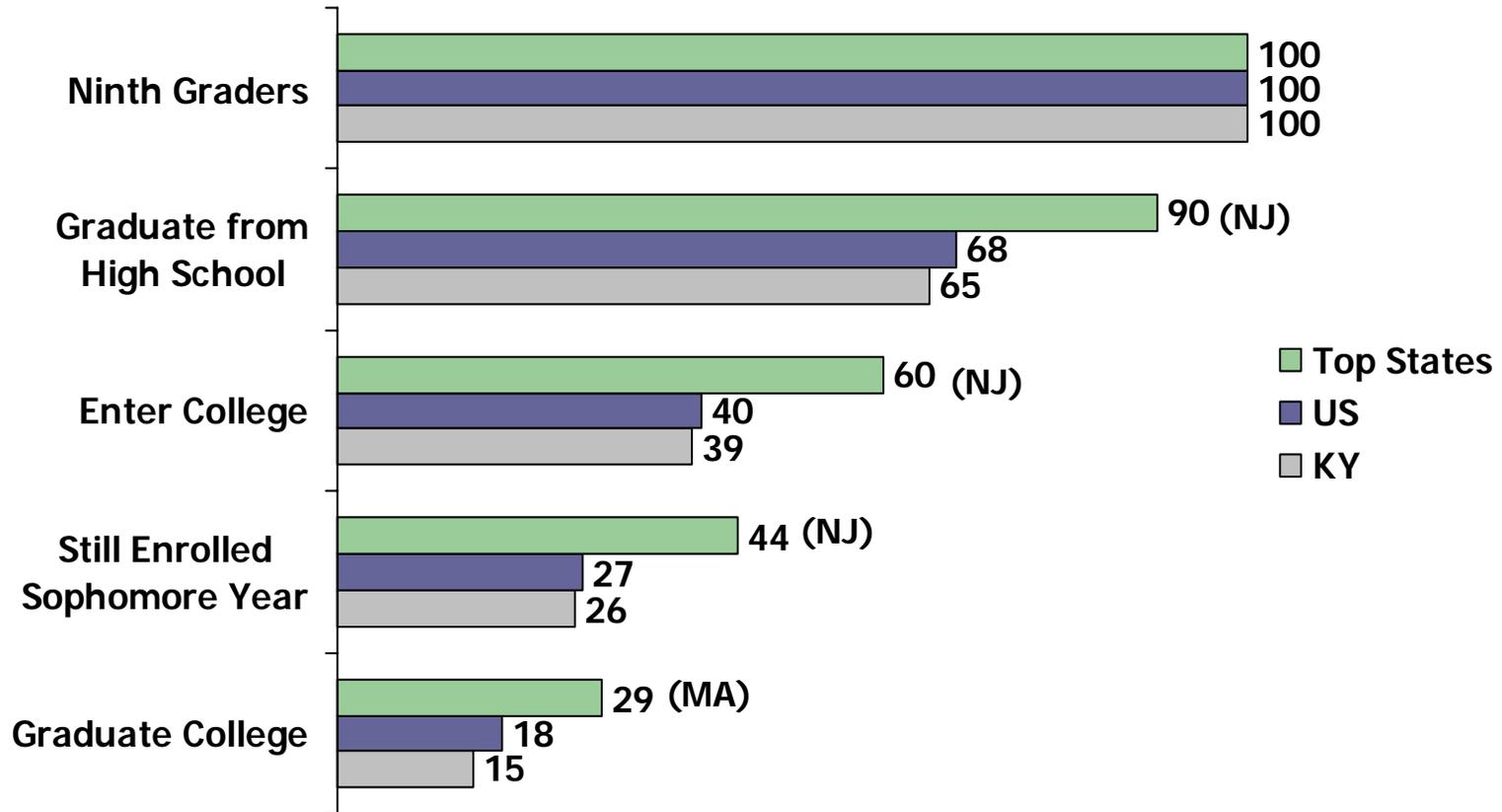
(502) 573-1555
<http://cpe.ky.gov>



- What does it take to be ready for college and the skilled workplace?
- Why is this critical for individuals, communities, and the Commonwealth?
- How does Senate Bill 130 help us get where we need to go?



Education Pipeline, 2002



Source: WICHE, NCES, ACT, NCES-IPEDS Graduation Rate and Fall Enrollment Surveys



CPE Public Agenda

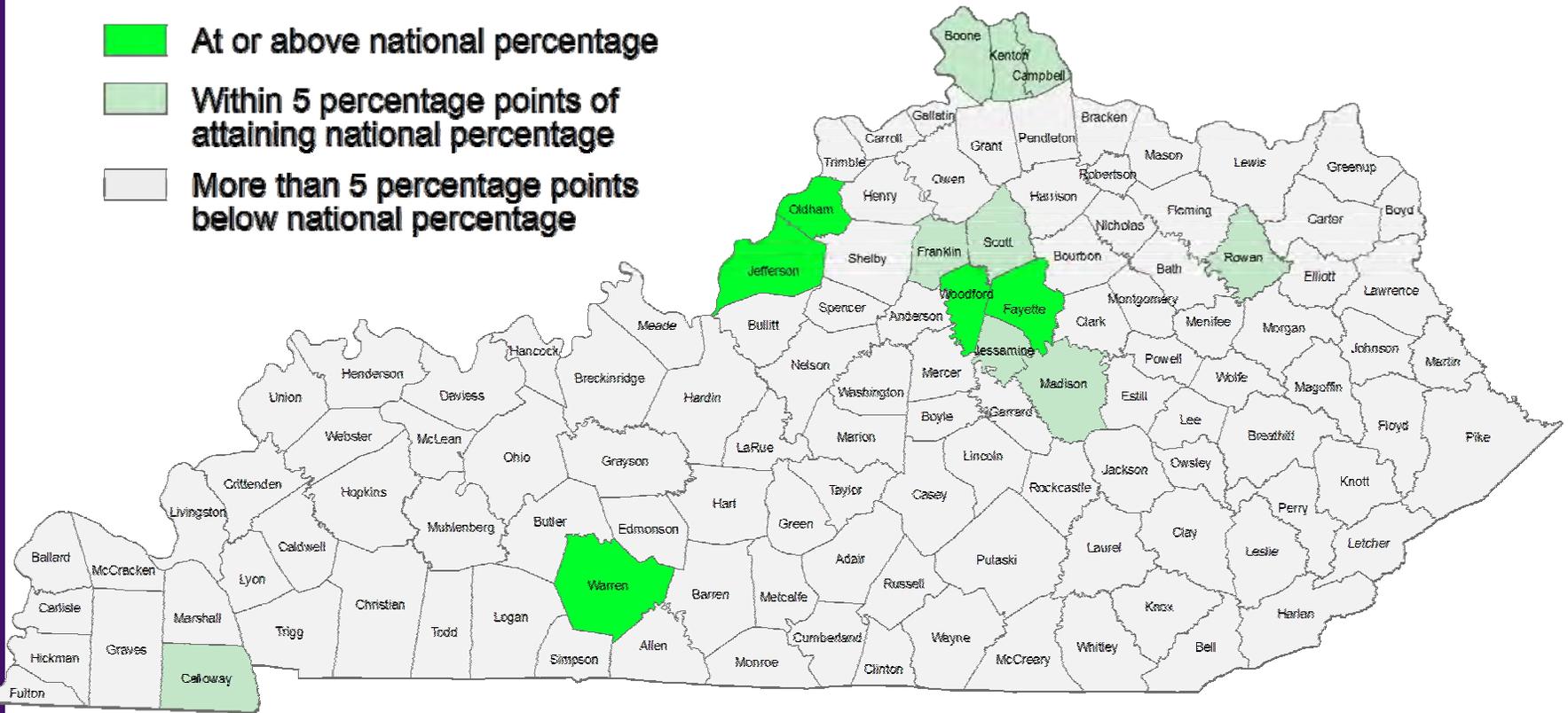
Five Questions—One Mission: Better Lives for Kentucky's People

- **Are more Kentuckians prepared for postsecondary education?**
- **Is Kentucky postsecondary education affordable?**
- **Do more Kentuckians have certificates and degrees?**
- **Are college graduates prepared for life and work in Kentucky?**
- **Are Kentucky's people, communities, and economy benefiting?**



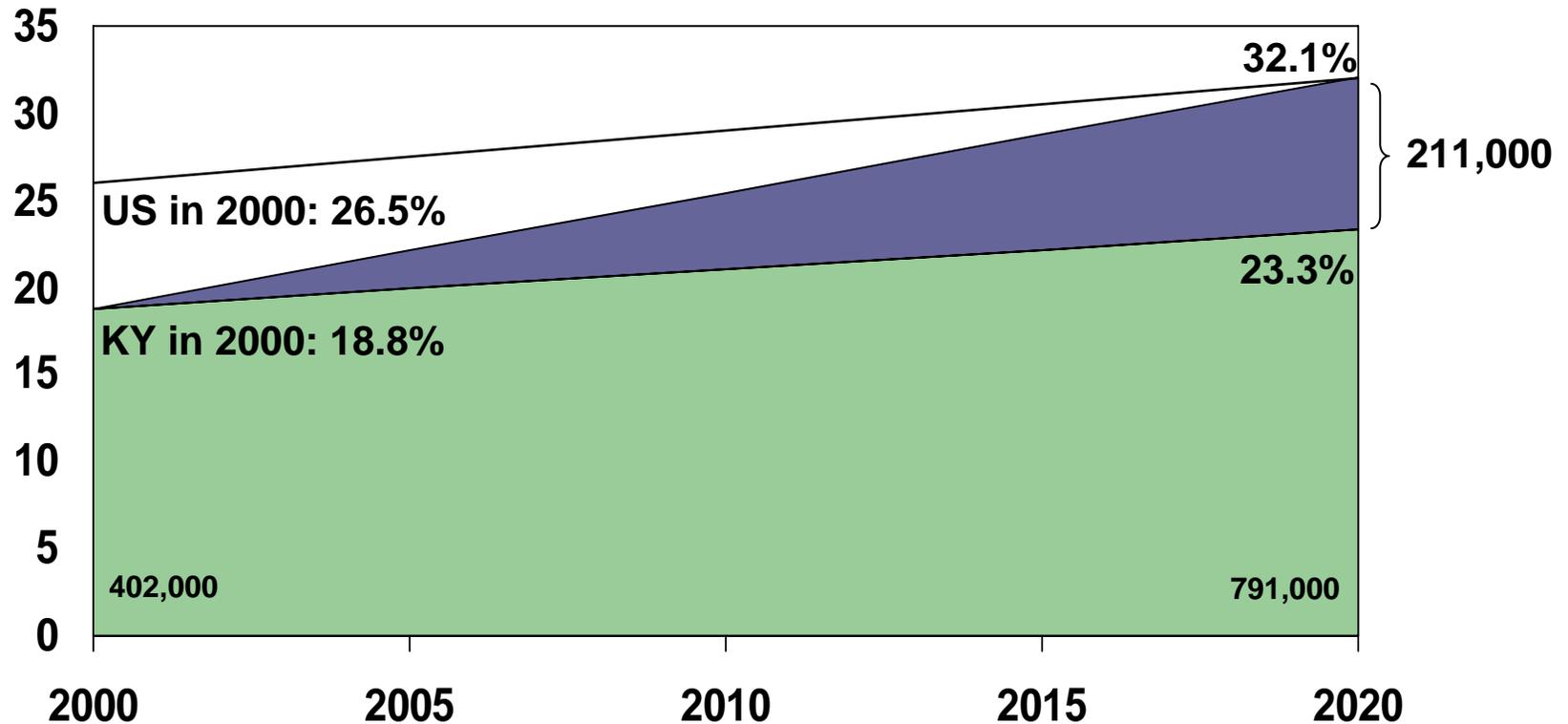
Percentage of Population Aged 25 and Older with a Bachelor's Degree or Higher

- At or above national percentage
- Within 5 percentage points of attaining national percentage
- More than 5 percentage points below national percentage



KY's goal is to reach the projected national average in educational attainment, bachelor's degree or higher, by 2020

■ KY at Status Quo ■ KY at Projected National Average by 2020



US High School Graduation Rate Is Below Average Among Developed Countries, 2004

<u>Rank</u>	<u>OECD Member Country</u>	<u>Graduation Rate</u>
1	Denmark	100
2	Norway	97
3	Germany	93
4	Japan	92
5	Poland	90
5	Switzerland	90
7	Finland	85
7	Greece	85
9	France	82
9	Hungary	82
9	Italy	82
12	Czech Republic	81
13	Belgium	79
13	Iceland	79
15	Ireland	77
16	United States	73
17	Sweden	72
18	Luxembourg	68
18	Spain	68
20	Slovak Republic	61



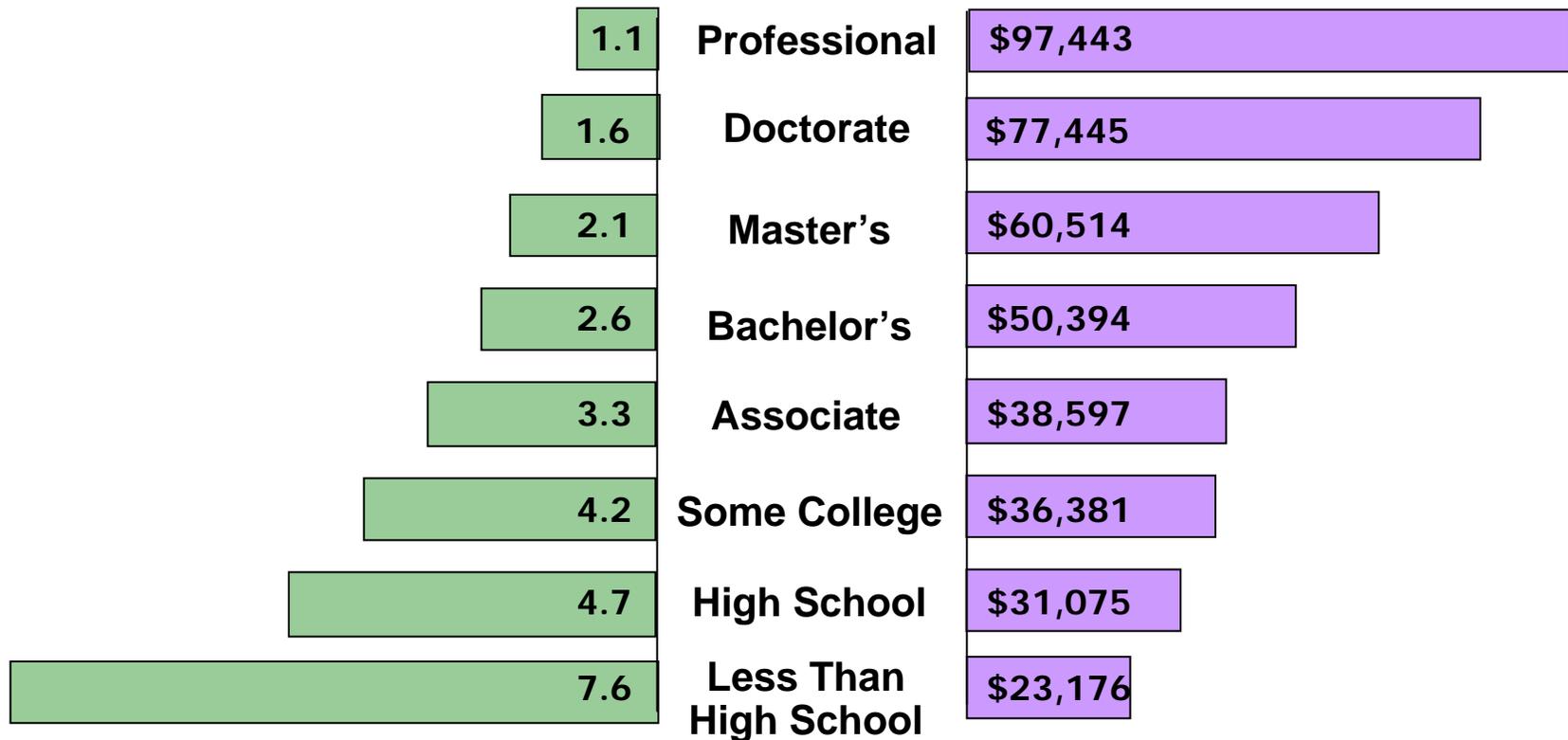
Source: Organization for Economic Co-operation and Development, Education at a Glance 2004.



Educational Attainment and Income

Unemployment Rate in 2005

Median Earnings in 2004



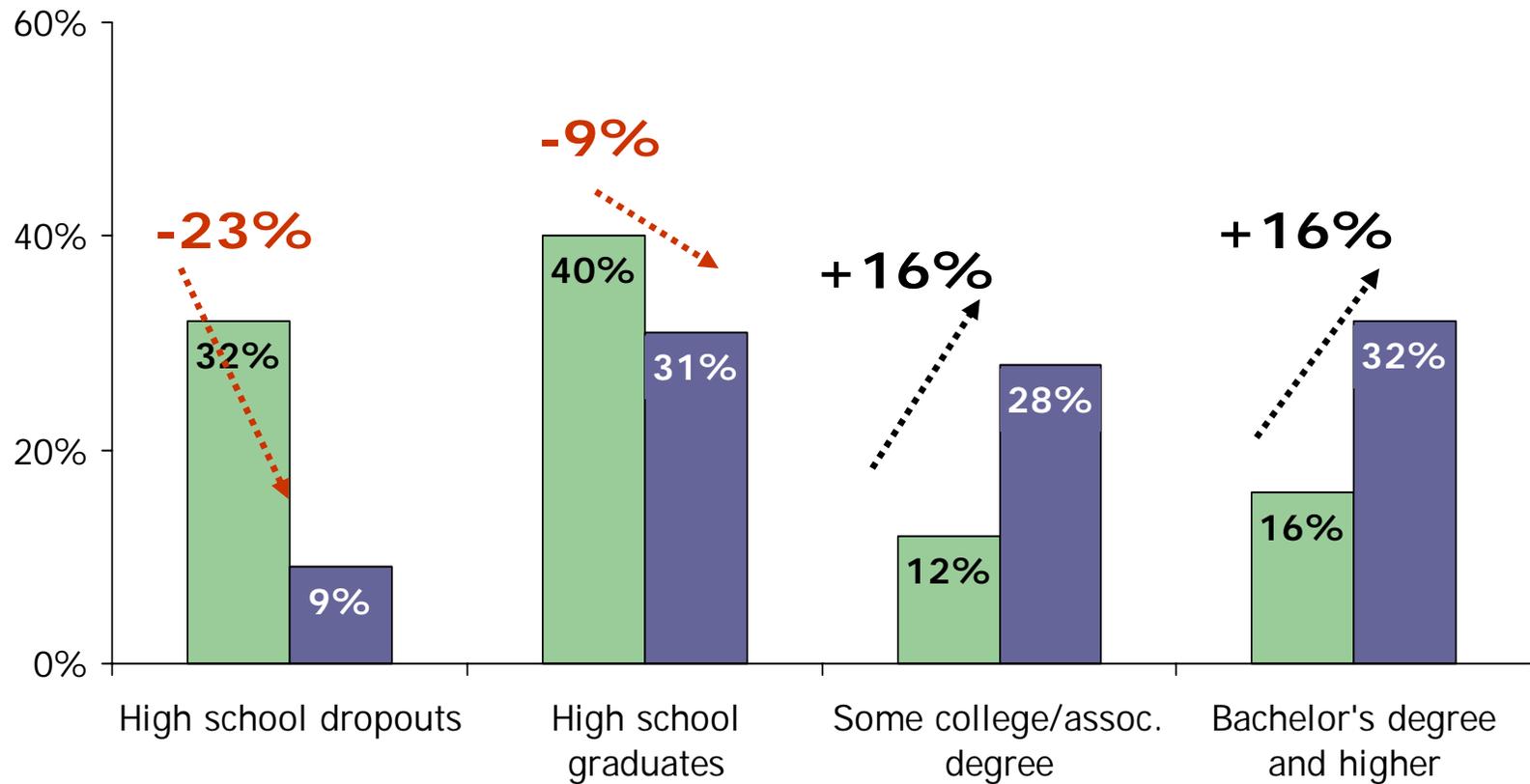
Source: Postsecondary Education Opportunity



In today's workforce, jobs require more education than ever before

Change in the distribution of education in jobs

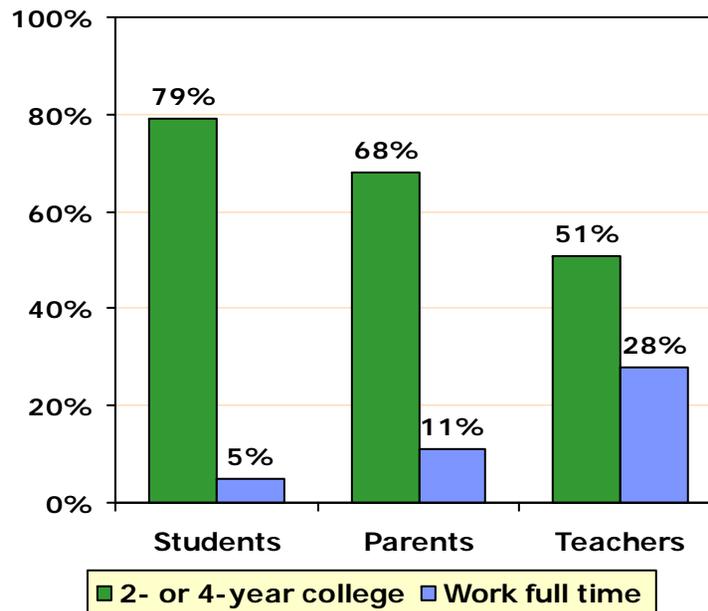
■ 1973 ■ 2001



Source: Carnevale, Anthony P. and Donna M. Desrochers, *Standards for What? The Economic Roots of K-16 Reform*, ETS, 2003.



Differing Expectations For Life After High School



Source: Metropolitan Life, *Survey of the American Teacher 2000: Are We Preparing Students for the 21st Century?*, September 2000.

THE AMERICAN DIPLOMA PROJECT ■ A Partnership of Achieve, Inc.; The Education Trust; and the Thomas B. Fordham Foundation



Traditionally “blue-collar” jobs also require high-level skills

- Requirements for iron workers:
 - Recommended high school courses include Algebra, Geometry, and Physics.
- Requirements for electricians:
 - Recommended high school courses include Algebra, Geometry, Trigonometry, and Physics.
- Requirements for sheet metal workers:
 - Four or five years of apprenticeship
 - Algebra, Geometry, Trigonometry, and technical reading
- Requirements for draftsmen:
 - Recommended high school courses include Geometry and Trigonometry.
 - Draftsmen may wish to seek additional study in mathematics and computer-aided design to keep up with technological progress within the industry.



Sources: American Diploma Project, 2002; The Associated General Contractors of America (AGC) <http://www.agc.org/page.wv?section=About+AGC&name=About+AGC>



Rigorous course-taking in high school is the key

Finishing a course *beyond* the level of Algebra 2 (for example, trigonometry or pre-calculus) *more than doubles the odds* that a student who enters postsecondary education will complete a bachelor's degree.



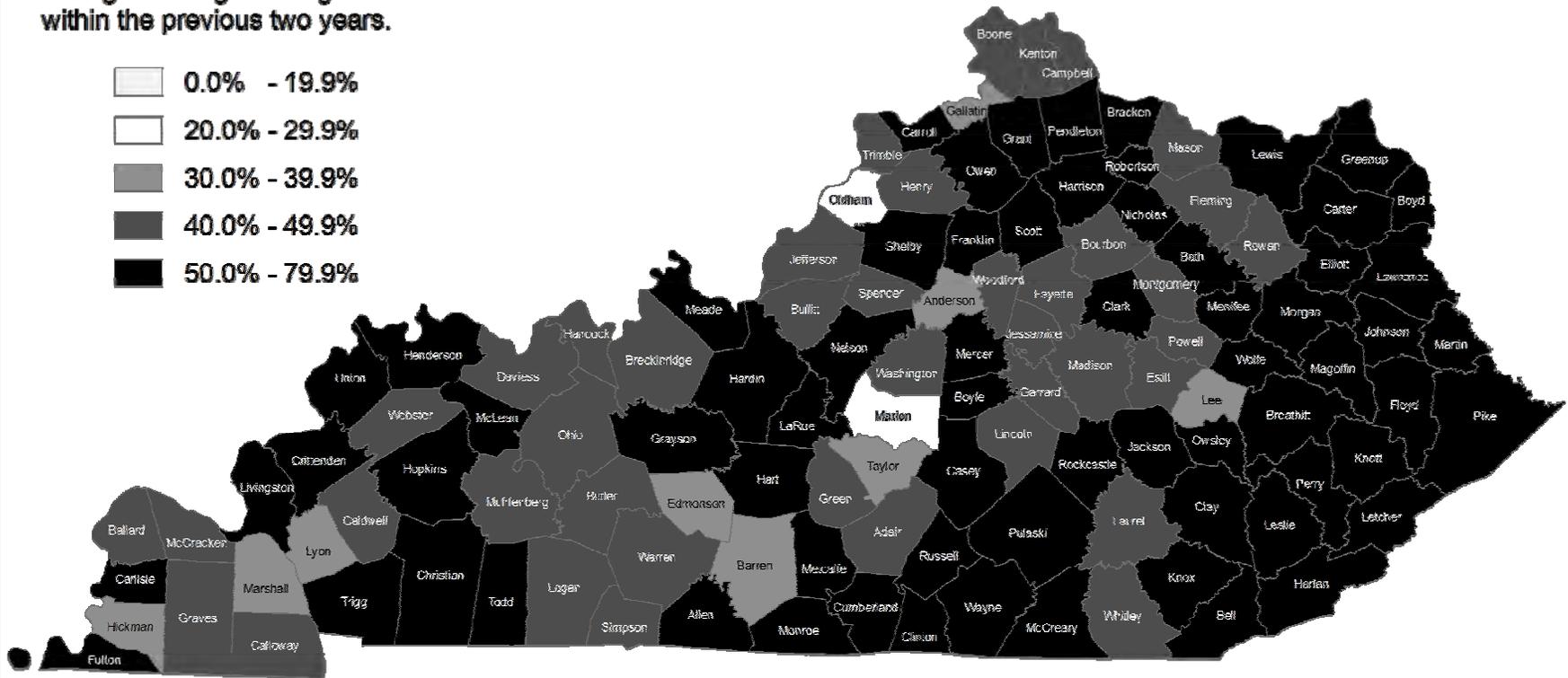
Source: Adelman, C. *Answers in the Tool Box: Academic Intensity, Attendance Patterns, and Bachelor's Degree Attainment*. Washington, D.C.: U.S. Department of Education, Office of Educational Research and Improvement, 1999.



Percentage of Recent HS Graduates Entering College Underprepared in One or More Subjects, 2002

Students scoring less than 18 on one or more of the ACT exams in mathematics, English, and reading as a percentage of all students taking such exams and entering public postsecondary institutions in the Fall of 2002 after graduating from high school within the previous two years.

- 0.0% - 19.9%
- 20.0% - 29.9%
- 30.0% - 39.9%
- 40.0% - 49.9%
- 50.0% - 79.9%



Source: Council on Postsecondary Education Comprehensive Database



The Kentucky High School Feedback Report

Directions on how to read and interpret the 2002 High School Feedback Reports can be found here:

http://kdemaxport3.kde.state.ky.us:7777/CPE_HS_Feedback/INSTRUCTIONS_FOR_INTERPRETING.doc

A PowerPoint presentation with more specific instructions for interpreting the reports can be found here:

http://apps.cpe.ky.gov/hsfb2002/HSFeedback_interpretation_Presentationversion.ppt

Copies of the actual reports organized by school and district names can be found on the KDE Max website here:

http://kdemaxport3.kde.state.ky.us:7777/pls/portal/portal_code.pkg_rpt_post_hs_feedb.main?p_rep_id=25



Statewide Public Postsecondary Placement Agreement

- Postsecondary faculty agreed on “college readiness” standards in English and mathematics
- Based on national benchmarks established by the American Diploma Project
- Any student entering a public college or university in Kentucky who can demonstrate this readiness by performance on the ACT (or SAT equivalent) is *guaranteed* placement in a credit-bearing course in
 - 1st-year writing—18 (English)
 - Credit-bearing mathematics—19 (mathematics)
 - College algebra—22 (mathematics)
 - College calculus—27 (mathematics)



What are some resources to help prepare students for college and the skilled workplace?

- **TOOLS FOR GETTING READY FOR COLLEGE**
 - Individual Learning Plans
 - GEAR UP
 - Go Higher Web Site (www.gohigherky.org)
 - ACT High School Feedback Report
 - Kentucky Early Mathematics Testing Program
 - (KEMTP: www.mathclass.org)
 - Statewide Postsecondary Placement Policy



What are some resources to help prepare students for college and the skilled workplace? (cont.)

- **HELP FOR TEACHERS**

- Professional Development Funds
- Ky Educators Web Site (www.kyeducators.org)

- **DATA AND POLICY RESEARCH**

- American Diploma Project (www.achieve.org)
- The Education Trust (www.edtrust.org)
- Kentucky county fact books
(<http://cpe.ky.gov/info/county/>)
- *Measuring Up 2006*
(<http://measuringup.highereducation.org/>)
- State and Local P-16 Councils
(<http://cpe.ky.gov/policies/academicinit/P16/>)

