



Human Capital Scorecard
January 20, 2006

This second update of the KentuckianaWorks *Human Capital Scorecard* includes recently released data on college attainment of the adult population and enrollments by level for postsecondary institutions. Beyond the new education data, it also reflects for the first time the revised metropolitan area definitions that have emerged from federal statistical agencies after the last decennial census was taken¹. For example, the Louisville MSA is now defined to include thirteen counties rather than seven. The geographic revisions have caused us to recalculate most of the numbers in the *Scorecard*. This release supercedes previous versions of the *Scorecard*.

The *Scorecard* provides these key measures of educational activity in the Louisville area along with a snapshot of where Louisville ranks among sixteen comparison markets. The KentuckianaWorks' board believes Louisville's economic future hinges on having a flexible and highly educated workforce, and that it is not acceptable to wait until after the 2010 Census to see if the community's improvement efforts have been successful. Hence, the organization has commissioned this annual tracking system, so all stakeholders can monitor our progress throughout the decade.

We have reached the mid-point of the decade, though data on educational activity and attainment are produced with a lag of a year or two. Nevertheless, certain patterns are emerging in the *Scorecard* tracking:

- ❖ The percentage of Jefferson County adults with high school and college degrees continues to advance. The Census Bureau's American Community Survey has produced educational attainment rates for large counties through 2004. While subject to sampling error, and hence tending to fluctuate year-to-year, the overall pattern is one of improvement. Since the 2000 census, there has been a one to two percentage point improvement in the attainment rates for Jefferson County adults. The college attainment rate is estimated to now be above 26 percent.
- ❖ Of course, the competition is not standing still. According to the Census Bureau, high school and college attainment rates for most (central counties) of our fifteen comparison metropolitan areas have risen at least as much as in Jefferson County.

¹ We have had to revise our list of colleges tracked to reflect the new definitions. Currently, we are capturing enrollment and degree data for over 270 institutions in the sixteen metropolitan areas. The most dramatic changes made among the competitor metros were to Charlotte, Greensboro, and Raleigh metropolitan area definitions. For example, the Raleigh MSA now excludes the counties containing the University of North Carolina at Chapel Hill and Duke University, causing Raleigh to fall in most of our rankings.

So far, there is little indication that Louisville is moving up in the rankings for educational attainment. Full metropolitan area estimates of attainment are expected this summer. These will be based on a larger sample, and will provide a more complete picture of this important measure.

- ❖ Postsecondary institutions in the Louisville metro area continued to see growth in enrollment and the number of degrees awarded at the undergraduate and graduate levels. This is a reversal of the pattern of the last decade, where activity at the college level actually fell in Louisville for most measures.
- ❖ Overall postsecondary enrollment is up sixteen percent between the Fall semesters of the 2000-01 and 2004-05 academic years. The greatest growth occurred at the associate degree program level or below (including certificates). Our ranking among competitor markets at the certificate and associate degree level is creeping up, hopefully signaling the beginning of significant change in educational activity and attainment in Louisville.
- ❖ The number of students enrolled in schools offering degrees above the associate degree level rose only six percent, but this reflects an increase of 1,600 students – a turnaround from last decade. However, the competitor markets posted growth as well. Louisville’s ranking among the sixteen metros is essentially unchanged.
- ❖ Louisville’s postsecondary institutions have increased the number of degrees awarded commensurate with the increase in enrollments. We have degree data through the Spring of 2003-04 academic year on the area’s eighteen postsecondary institutions identified. Importantly, area institutions are awarding over 3,600 bachelors degrees annually, up twelve percent this decade. The fastest growing category, however, is the certificate (and other degrees programs of less than a year in length)². These have grown sixty-six percent. And associate degrees awarded have grown by one-third. Competitor markets also posted gains in these categories, and Louisville’s rankings in degrees awarded at most levels are essentially unchanged from the start of the decade.

The next release of the *Scorecard* will include first ever mid-decade estimates of the educational attainment rates for the metro areas, as well as updated numbers on degrees awarded and GED completions. The *Human Capital Scorecard* is produced for KentuckianaWorks by economic and demographic researchers at the University of Louisville. The *Scorecard* may be viewed online at www.kentuckianaworks.org or <http://monitor.louisville.edu>. Contact Professor Paul Coomes, National City Research Fellow, for more information: paul.coomes@louisville.edu.



² This *Scorecard* release also corrects an error in our previous release. We had shown a large spike in certificates awarded in 2003, but that was due to inadvertently counting Lexington technical programs in Louisville’s numbers. We apologize for the confusion (and premature celebration.)



SCORECARD

Louisville Area Human Capital

Educational Attainment *		Geography	1990	2000	2001	2002	2003	2004	
Attainment	% Adults with high school diploma or higher	Louisville MSA	73.5%	81.3%	Census Bureau plans to release metro area data in Summer 2006				
	% Adults with bachelor's degree or higher	Louisville MSA	17.3%	22.2%	Census Bureau plans to release metro area data in Summer 2006				
	% Adults with high school diploma or higher	Jefferson County	74.1%	81.8%	85.4%	83.7%	85.8%	83.3%	
	% Adults with bachelor's degree or higher	Jefferson County	19.3%	24.8%	27.6%	25.6%	26.0%	26.1%	
	Components ■								
	% Adults with high school only	Louisville MSA	32.2%	31.3%	Census Bureau plans to release metro area data in Summer 2006				
	% Adults some college only	Louisville MSA	18.7%	22.0%	Census Bureau plans to release metro area data in Summer 2006				
	% Adults with associate degree only	Louisville MSA	5.2%	5.8%	Census Bureau plans to release metro area data in Summer 2006				
	% Adults with bachelors degree only	Louisville MSA	10.6%	13.7%	Census Bureau plans to release metro area data in Summer 2006				
	% Adults with graduate or professional degree	Louisville MSA	6.7%	8.4%	Census Bureau plans to release metro area data in Summer 2006				
Performance	% Adults with high school only	Jefferson County	30.3%	29.1%	30.0%	30.0%	30.8%	29.3%	
	% Adults some college only	Jefferson County	19.3%	22.4%	21.6%	21.9%	22.7%	21.6%	
	% Adults with associate degree only	Jefferson County	5.2%	5.6%	6.2%	6.4%	6.4%	6.3%	
	% Adults with bachelors degree only	Jefferson County	11.8%	15.2%	16.9%	15.9%	16.1%	14.4%	
	% Adults with graduate or professional degree	Jefferson County	7.5%	9.6%	10.7%	9.7%	9.8%	11.7%	
	K-12 Activity, Performance			1990	2000	2001	2002	2003	2004
	Education Quotient, K-12 public schools *	Louisville MSA						33	18
	Education Quotient, K-12 public schools *	Jefferson County		33	32		52	32	21
	GED Completions (calendar year) ▲	Louisville MSA					1,272		
	GED Completions (calendar year) ▲	Jefferson County					1,230		
Postsecondary degrees, academic year ending Spring			1991	2001	2002	2003	2004	2005	
All postsecondary awards, degrees, certificates	Louisville MSA	7,171	8,133	8,791	9,122	10,199			
Awards/certificates below associate level	Louisville MSA	887	1,020	1,030	1,355	1,689			
Associate degrees	Louisville MSA	1,624	1,574	1,835	1,777	2,081			
Bachelor's degrees	Louisville MSA	2,690	3,237	3,438	3,445	3,623			
Graduate degrees	Louisville MSA	1,403	1,823	1,991	2,001	2,286			
1st professional degree	Louisville MSA	567	479	497	544	520			
Postsecondary enrollments, academic year beginning Fall ▼			1990	2000	2001	2002	2003	2004	
Total postsecondary enrollments	Louisville MSA	52,272	51,184	54,541	57,799	59,239	59,571		
	Full-time	Louisville MSA	26,405	27,415	29,793	30,398	33,372	34,380	
	Part-time	Louisville MSA	25,867	23,769	24,748	27,401	25,867	25,191	
	Associate degree granting institutions only	Louisville MSA	16,101	14,594	16,570	18,082	19,327	19,799	
Undergraduate level, including associate degree granting	Louisville MSA	44,121	42,079	44,888	47,348	48,748	48,875		
Graduate level #	Louisville MSA	5,683	6,755	7,257	7,940	7,818	7,856		
1st professional level	Louisville MSA	2,468	2,350	2,396	2,511	2,673	2,840		

Performance

Notes

References and notes

Available on-line with the latest data, www.kentuckianaworks.org

■ 1990 and 2000 Census data rely on metro definitions prior to changes in 2003; the Louisville MSA included seven counties in Kentucky and Indiana.

◆ Educational Attainment rates apply to population aged 25 and older. Source for education attainment in 1990 and 2000: U.S. Bureau of the Census, Summary File 4, 1990 & Summary File 3, 2000. Source for years 2001 through 2004 American Community Survey, with confidence intervals (precision of estimates) varying by year and place. Because information was not available for all MSAs for the years 2001 through 2004, comparisons were made among central counties. For the decennial census, the central county of the Richmond MSA is considered to include both the City of Richmond and adjacent Henrico County. However, the American Community Survey (ACS) did not include the city of Richmond VA within detailed Virginia city and county breakdowns; therefore Richmond is not included in the central county rankings for years 2001-2004. Calculations of educational attainment in the ACS do not include the group quarters population.

■ These figures reflect only those within the field described and not any higher level of education.

◆ Source: Education Quotient scores from *Expansion Management* magazine, reported in year published though input data come from prior years. EQ based primarily on ACT, SAT scores and graduation rates. The spike in the 2002 EQ for Jefferson County is due to a change that year, in which an experimental method was used to blend ACT and SAT scores. Where appropriate, school districts are aggregated using weighted averages, based on enrollment data. The EQ index has been normalized over the years to range between values of 1 to 99, with 99 indicating the top ranked school systems. The magazine began publishing MSA-level indexes in 2004, and refer to academic year 2002-03 performance.

▲ GED figures at the zip code level were obtained from the American Council on Education (ACE), and have been aggregated to the county and metro level.

▼ Breakdown of postsecondary awards, degrees, enrollments by type and level, Source: IPEDS, AY 1990-91, 2000-01, 2001-02, 2002-03, 2003-04, 2004-05; includes all ages.

Graduate level enrollments for 1990 were derived by subtracting 1st professional enrollments from the total postbaccalaureate enrollments.

1/18/06



Research and compilation by University of Louisville

SCORECARD

RANKINGS (out of 16 comparison metro areas)

Attainment	Educational Attainment ♦		1990	2000	2001	2002	2003	2004
	Geography							
	% Adults with high school diploma or higher	Louisville MSA	12	12				
	% Adults with bachelor's degree or higher	Louisville MSA	16	15				
	% Adults with high school diploma or higher *	Jefferson County	15	11	7	12	9	15
% Adults with bachelor's degree or higher *	Jefferson County	15	12	8	13	11	13	



Performance	K-12 Activity, Performance		1990	2000	2001	2002	2003	2004
	Education Quotient, K-12 public schools *	Louisville MSA					13	15
	Education Quotient, K-12 public schools *	Jefferson County		10	9	4	9	14
	GED Completions ▲	Louisville MSA				10		
	GED Completions ▲	Jefferson County				5		
Postsecondary degrees, academic year ending Spring			1991	2001	2002	2003	2004	2005
All postsecondary awards, degrees, certificates	Louisville MSA	8	12	12	12	8		
Awards/certificates below associate level	Louisville MSA	4	6	7	6	3		
Associate degrees	Louisville MSA	7	9	6	11	6		
Bachelor's degrees	Louisville MSA	15	14	15	14	14		
Graduate degrees	Louisville MSA	5	5	5	6	4		
1st professional degree	Louisville MSA	4	8	7	6	8		
Postsecondary enrollments, academic year beginning Fall ▼			1990	2000	2001	2002	2003	2004
Total postsecondary enrollments	Louisville MSA	7	8	8	7	7	8	
	Full-time Louisville MSA	9	13	11	12	11	11	
	Part-time Louisville MSA	4	6	6	3	5	6	
	Associate degree granting institutions only Louisville MSA	6	10	9	9	8	8	
Undergraduate level, including associate degree granting	Louisville MSA	8	9	8	8	9	9	
Graduate level #	Louisville MSA	8	7	6	5	7	7	
1st professional level	Louisville MSA	3	6	6	6	6	3	

References and notes

Rankings are among the sixteen metropolitan areas, including Louisville, considered as peers or competitors in studies of economic development. They include Birmingham, Charlotte, Cincinnati CMSA, Columbus, Dayton, Greensboro, Indianapolis, Jacksonville, Kansas City, Lexington, Louisville, Memphis, Nashville, Omaha, Raleigh, and Richmond. Metro definitions are those used for the 2000 Census, and do not reflect revisions made in 2003.

♦ Educational Attainment rates apply to population aged 25 and older. Source for education attainment in 1990 and 2000: U.S. Bureau of the Census, Summary File 4, 1990 & Summary File 3, 2000. Source for years 2001 through 2004 American Community Survey, with confidence intervals (precision of estimates) varying by year and place. Because information was not available for all MSAs for the years 2001 through 2004, comparisons were made among central counties. For the decennial census, the central county of the Richmond MSA is considered to include both the City of Richmond and adjacent Henrico County. However, the American Community Survey (ACS) did not include the city of Richmond VA within detailed Virginia city and county breakdowns; therefore Richmond is not included in the central county rankings for years 2001-2004. Calculations of educational attainment in the ACS do not include the group quarters population.

* Rankings of educational attainment for high school diploma or higher and bachelors degree or higher do not include Fayette County KY for 2001. Fayette County was not included in the American Community Survey (ACS) until 2002.

♣ Source: Education Quotient scores from *Expansion Management* magazine, reported in year published though input data come from prior years. EQ based primarily on ACT, SAT scores and graduation rates. The spike in the 2002 EQ for Jefferson County is due to a change that year, in which an experimental method was used to blend ACT and SAT scores. Where appropriate, school districts are aggregated using weighted averages, based on enrollment data. The EQ index has been normalized over the years to range between values of 1 to 99, with 99 indicating the top ranked school systems. The magazine began publishing MSA-level indexes in 2004, and refer to academic year 2002-03 performance.

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Graduate level enrollments for 1990 were derived by subtracting 1st professional degree enrollments from the total postbaccalaureate enrollments.

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Notes



Research and compilation by University of Louisville

Enrollments and Awards, Louisville MSA Postsecondary Institutions

Postsecondary Enrollments, Fall semester	2000	2001	2002	2003	2004
BELLARMINE UNIVERSITY	2,848	2,982	3,294	3,134	2,888
DAYMAR COLLEGE-LOUISVILLE	97	86	113	227	296
INDIANA UNIVERSITY-SOUTHEAST	6,427	6,557	6,716	6,408	6,238
IIT TECHNICAL INSTITUTE	354	358	402	495	686
IVY TECH STATE COLLEGE-SOUTH CENTRAL	1,933	2,035	2,716	2,917	3,050
JEFFERSON COMMUNITY COLLEGE	9,520	9,227	9,390	9,645	10,106
JEFFERSON TECHNICAL COLLEGE	1,512	3,246	3,582	3,697	3,694
LOUISVILLE BIBLE COLLEGE	130	0	0	0	0
LOUISVILLE PRESBYTERIAN THEOLOGICAL SEMINARY	250	235	227	193	184
LOUISVILLE TECHNICAL INSTITUTE	612	623	624	670	645
OTTAWA UNIVERSITY-JEFFERSONVILLE	0	0	0	48	76
RETS INSTITUTE OF TECHNOLOGY	365	411	327	350	68
SPALDING UNIVERSITY	1,632	1,670	1,702	1,658	1,698
SPENCERIAN COLLEGE	201	584	928	1,326	1,254
SULLIVAN UNIVERSITY	3,212	4,402	4,646	4,962	4,860
THE SOUTHERN BAPTIST THEOLOGICAL SEMINARY	2,320	2,443	2,716	2,904	2,983
UNIVERSITY OF LOUISVILLE	19,771	19,682	20,416	20,605	20,729
UNIVERSITY OF PHOENIX-LOUISVILLE CAMPUS	0	0	0	0	116
Total, Louisville Metropolitan Area	51,184	54,541	57,799	59,239	59,571

Awards below Associate level, Academic Year ending Spring	2001	2002	2003	2004	2005
DAYMAR COLLEGE-LOUISVILLE	4	3	9	15	
INDIANA UNIVERSITY-SOUTHEAST	10	5	16	41	
IVY TECH STATE COLLEGE-SOUTH CENTRAL	67	61	70	110	
JEFFERSON COMMUNITY COLLEGE	2	23	41	90	
JEFFERSON TECHNICAL COLLEGE	251	268	545	661	
LOUISVILLE BIBLE COLLEGE	1	1	0	5	
LOUISVILLE TECHNICAL INSTITUTE	109	122	114	130	
RETS ELECTRONIC INSTITUTE	16	36	9	5	
SPENCERIAN COLLEGE	215	211	335	403	
SULLIVAN UNIVERSITY	228	182	99	117	
UNIVERSITY OF LOUISVILLE	117	118	117	112	
Total, Louisville Metropolitan Area	1,020	1,030	1,355	1,689	

Associate Degrees

DAYMAR COLLEGE-LOUISVILLE	26	28	14	22
INDIANA UNIVERSITY-SOUTHEAST	130	125	140	145
IIT TECHNICAL INSTITUTE	119	129	102	120
IVY TECH STATE COLLEGE-SOUTH CENTRAL	143	176	188	211
JEFFERSON COMMUNITY COLLEGE	424	401	432	579
JEFFERSON TECHNICAL COLLEGE	36	16	38	52
LOUISVILLE BIBLE COLLEGE	5	3	6	5
LOUISVILLE TECHNICAL INSTITUTE	168	169	210	183
RETS ELECTRONIC INSTITUTE	122	99	109	136
SOUTHERN BAPTIST THEOLOGICAL SEMINARY	14	15	4	10
SPALDING UNIVERSITY	6	8	12	5
SPENCERIAN COLLEGE	19	6	72	189
SULLIVAN UNIVERSITY	299	590	412	379
UNIVERSITY OF LOUISVILLE	63	70	38	45
Total, Louisville Metropolitan Area	1,574	1,835	1,777	2,081

Awards (cont), Academic Year ending Spring	2001	2002	2003	2004	2005
Bachelors Degrees					
BELLARMINE UNIVERSITY	390	393	467	401	
INDIANA UNIVERSITY-SOUTHEAST	505	530	606	622	
LOUISVILLE BIBLE COLLEGE	4	4	4	6	
LOUISVILLE PRESBYTERIAN THEOLOGICAL SEMINARY	1	0	0	0	
OTTAWA UNIVERSITY-JEFFERSONVILLE	0	0	0	4	
SOUTHERN BAPTIST THEOLOGICAL SEMINARY	26	18	71	71	
SPALDING UNIVERSITY	239	252	183	221	
SULLIVAN UNIVERSITY	192	313	209	323	
UNIVERSITY OF LOUISVILLE	1,880	1,928	1,905	1,975	
UNIVERSITY OF PHOENIX-LOUISVILLE CAMPUS	0	0	0	0	
Total, Louisville Metropolitan Area	3,237	3,438	3,445	3,623	
Masters Degrees					
BELLARMINE UNIVERSITY	177	254	205	228	
INDIANA UNIVERSITY-SOUTHEAST	157	218	196	264	
LOUISVILLE BIBLE COLLEGE	6	1	5	9	
LOUISVILLE PRESBYTERIAN THEOLOGICAL SEMINARY	12	10	15	12	
OTTAWA UNIVERSITY-JEFFERSONVILLE	0	0	0	0	
SOUTHERN BAPTIST THEOLOGICAL SEMINARY	44	53	63	59	
SPALDING UNIVERSITY	100	110	159	220	
SULLIVAN UNIVERSITY	23	28	60	96	
UNIVERSITY OF LOUISVILLE	1,134	1,139	1,061	1,175	
UNIVERSITY OF PHOENIX-LOUISVILLE CAMPUS	0	0	0	0	
Total, Louisville Metropolitan Area	1,653	1,813	1,764	2,063	
Doctoral Degrees					
LOUISVILLE PRESBYTERIAN THEOLOGICAL SEMINARY	7	4	13	6	
SOUTHERN BAPTIST THEOLOGICAL SEMINARY	64	57	86	75	
SPALDING UNIVERSITY	34	27	49	36	
UNIVERSITY OF LOUISVILLE	65	90	89	106	
Total, Louisville Metropolitan Area	170	178	237	223	
First Professional Degrees					
LOUISVILLE PRESBYTERIAN THEOLOGICAL SEMINARY	27	30	36	26	
SOUTHERN BAPTIST THEOLOGICAL SEMINARY	137	146	185	164	
UNIVERSITY OF LOUISVILLE	315	321	323	330	
Total, Louisville Metropolitan Area	479	497	544	520	