

## Tennessee College Pipeline Data Profile

### How Prepared are Tennessee Students for Postsecondary Success?

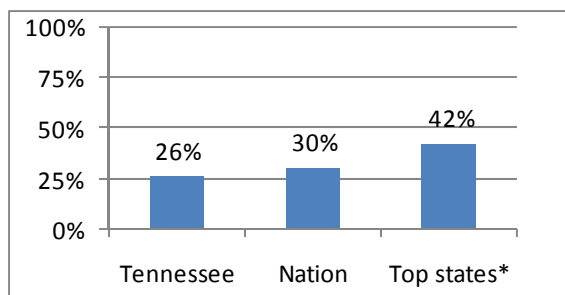
#### HIGH SCHOOL READINESS

National Assessment of Educational Progress performance and algebra-taking in the early years suggest how well prepared students will be for a rigorous high school curriculum.

**Table 1. Percent of 8<sup>th</sup> Graders Scoring at or Above “Proficient” on NAEP**

	Math 2007	Reading 2007	Science 2005
Tennessee	23	26	25
Nation	31	29	27

**Figure 1. 8th Graders Taking Algebra 1 (2007)**



#### THE PATH TO COLLEGE

**Table 2.1 Students’ Performance on College Entrance Exams (2007)**

	Average SAT			Average ACT			
	% Takers	Math	Verb	% Takers	Math	Eng	Sci
Tennessee	13	574	569	96	20	21	20
Nation	48	515	502	42	21	21	21

**Tennessee’s Progress in P-20 Alignment Policies**

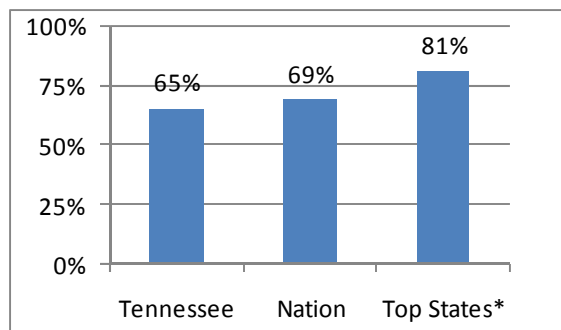
Alignment policy	Policy in Place
Align high school standards with college/career expectations	2008
Align high school graduation requirements with college/career expectations	2008
Administer college readiness test to all students	2007
Develop P-20 longitudinal data system	Plan - TBD
Use at least one measure to hold schools accountable for graduating students college/career ready	Plan for 2010

**Table 2.2 ACT/AP Takers' HS Course-Taking Patterns (2007) (i)**

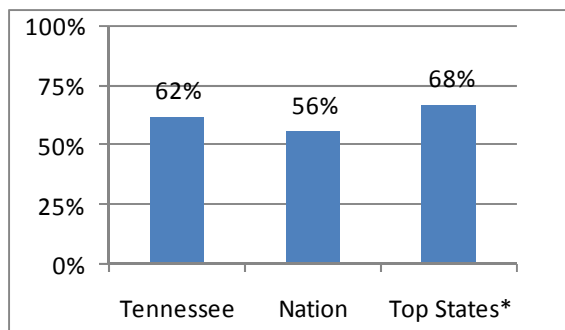
	% Taking min core courses			% Taking beyond min core courses			% Earning a 3 or higher on AP exam
	Math	Sci	Eng	Math	Sci	Eng	
Tennessee	15	33	58	63	34	22	10
Nation	17	31	59	54	29	19	8

#### COLLEGE GOING, PERSISTENCE AND GRADUATION

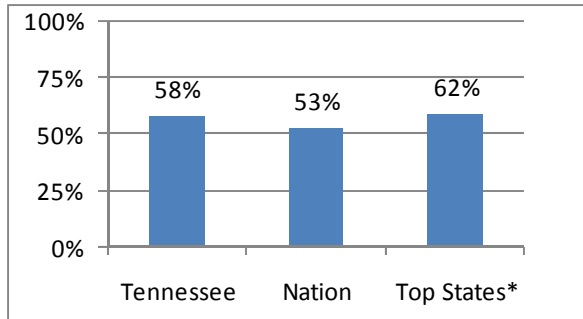
**Figure 2. High School Freshmen Graduating on Time (2005)**



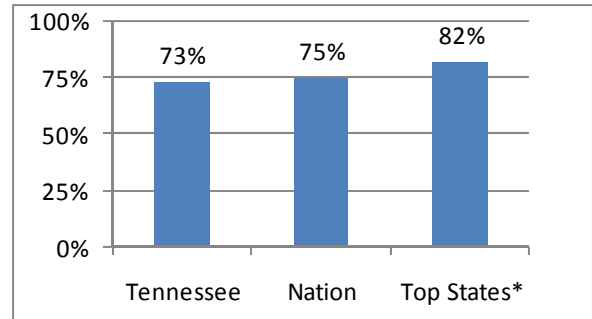
**Figure 3. High School Graduates Immediately Enrolling in College (2004)**



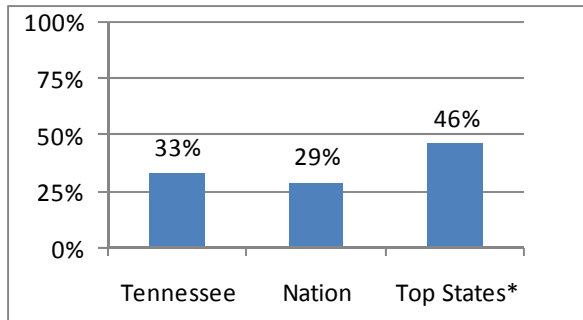
**Figure 4.1 Freshmen Returning for Second Year at Two-Year Colleges (2006)**



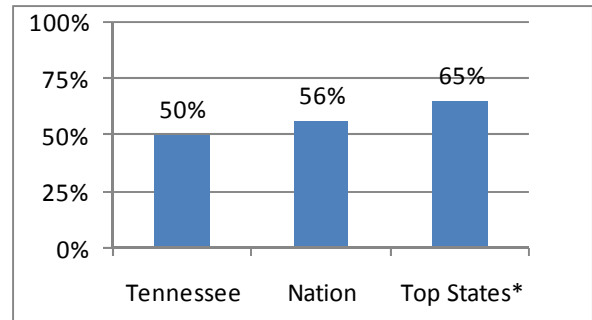
**Figure 4.2 Freshmen Returning for Second Year at Four-Year Colleges (2006)**



**Figure 5.1 Students at Two-Year Colleges Earning Degrees in Three Years (2006)**



**Figure 5.2 Students at Four-Year Colleges Earning Degrees in Six years (2006)**



**THE EDUCATION PIPELINE AND THE FUTURE OF TENNESSEE**

- Assuming existing patterns of high school completion and migration continue, the number of high school graduates in Tennessee will increase by about 3% by 2015 (ii).
- Hispanic graduates from public schools in Tennessee are projected to increase by 400% between 2004-05 and 2015. Asians/Pacific Islanders and American Indians/Alaska Natives are also expected to see rapid growth, increasing 72 and 78%, respectively. Meanwhile, White non-Hispanic graduates are expected to decline by 3%. The number of Black non-Hispanics will be basically unchanged from its 2004-05 level (ii).
- By 2014, 81% of jobs in Tennessee will require some college or training beyond high school (iii).

Data Sources (In order of appearance):  
 Table 1 – Analysis of data from NCES, NAEP <http://nces.ed.gov/nationsreportcard/nde/>  
 Figure 1 – Analysis of data from NCES, NAEP <http://nces.ed.gov/nationsreportcard/nde/>  
 Table 2.1 & 2.2 – “College Bound Seniors 2007”, College Board, 2007; “2007 Average ACT Scores by State”, ACT, 2007; “4th Annual AP Report to the Nation”, College Board, 2008; “SAT score averages of college-bound seniors and percentage of graduates taking SAT, by state or jurisdiction: Selected years, 1987-88 through 2006-07”, NCES <http://nces.ed.gov/programs/digest/d07/tables/xls/tabn137.xls>  
 Figure 2 – EPE Research Center  
 Progress in P-20 Alignment Policies – “Closing the Expectations Gap 2008”, Achieve, Inc, 2008  
 Figure 3 – “College-going rates of high school graduates – directly after high school”, National Center for Higher Education Management Systems, 2004  
 Figure 4.1 & 4.2 – National Center for Public Policy and Higher Education, *Measuring Up 2006*  
 Figure 5.1 & 5.2 – “Six Year Graduation Rates of Bachelor’s Students” and “3 Year Graduation Rates of Associate’s Students”, National Center for Higher Education Management Systems, 2006  
 (i) ACT college ready minimum core curriculum: 3 years math (Alg 1, Alg 2, Geometry); 4 years English (grade 9-12); 3 years science (General, Chemistry, Biology). ACT advanced curriculum: minimum math course sequence plus advanced math course, minimum English course sequence plus other English course, minimum science course sequence plus Physics course. NOTE course-taking patterns below the minimum core not included.  
 (ii) “Knocking on the College Door: Projections of high school graduations by state and ethnicity, 1992-2022”, Western Interstate Commission for Higher Education, 2008  
 (iii) “Forgotten Middle-Skill Jobs”, [www.skills2compete.org](http://www.skills2compete.org)  
 \* Top states refers to the median score of the top five scoring states