

FLORIDA

DEPARTMENT OF EDUCATION



Some Students Testing Into Developmental Education Do Not Enroll in College Prep Courses

Fast Fact #85

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Introduction. The proportion of community college students who need to take developmental education (College Prep) courses garners significant attention. Less attention is focused on the students who do not take advantage of the opportunities the colleges provide for developmental education. Of the students with placement test scores indicating a need for developmental mathematics, 15% do not enroll in a College Prep math course within two years. Similarly, 23% of students who need developmental reading and 20% who need developmental writing do not enroll in College Prep English within two years.

Methodology. Annually, Florida's Community College Technical Center MIS produces the *Florida Community College Accountability Report*. Measure 4, Part 1 (the Measure) of the Accountability Report provides information on students whose test scores place them in developmental education courses. The Measure consists of a cohort of first-time-in-college, degree seeking students who took a placement test during the fall term of a given year. Of the students who took a placement test, the Measure shows the number who failed the reading, writing, or mathematics subtest. The Measure also displays how many of the students needing developmental education in a given area enrolled in a College Prep course within two years.

For this report, Measure 4, Part 1 of the 2005 and 2006 Accountability Reports were used. The 2005 Measure follows a cohort from Fall 2002-03 through Summer 2004-05 and the 2006 Measure follows the cohort from Fall 2003-04 through Summer 2005-06. The percentage of students who tested into, but did not enroll in College Prep, was calculated for each area (see Exhibits 1 and 2).

Findings. Based on the results of the three subtests, more students needed developmental mathematics than developmental reading or writing. On the other hand, mathematics had the lowest rate (15.1% in 2006) of students who did not enroll in a College Prep course within two years. One out of five students who needed College Prep writing did not enroll within two years and almost $\frac{1}{4}$ of those who needed College Prep reading did not enroll within two years.

Exhibit 1
Percentage of Students Needing Developmental Education Who Do Not Enroll in College Prep Within Two Years
2005 Accountability Measure 4, Part 1

College	Reading			Writing			Mathematics		
	Tested into Prep	Enrolled in Prep	Percent Not Enrolled	Tested into Prep	Enrolled in Prep	Percent Not Enrolled	Tested into Prep	Enrolled in Prep	Percent Not Enrolled
Brevard	497	436	12.3%	353	309	12.5%	824	727	11.8%
Broward	2,335	1,988	14.9%	1,547	1,354	12.5%	2,692	2,381	11.6%
Central Florida	321	236	26.5%	232	157	32.3%	418	324	22.5%
Chipola	119	116	2.5%	97	92	5.2%	194	164	15.5%
Daytona Beach	397	350	11.8%	277	228	17.7%	797	721	9.5%
Edison	637	344	46.0%	466	258	44.6%	1,030	656	36.3%
Florida CC @ Jack	1,505	743	50.6%	796	663	16.7%	2,618	1,106	57.8%
Florida Keys	39	28	28.2%	26	12	53.8%	54	33	38.9%
Gulf Coast	221	176	20.4%	176	115	34.7%	489	377	22.9%
Hillsborough	1,183	933	21.1%	1,012	796	21.3%	1,672	1,099	34.3%
Indian River	399	312	21.8%	280	239	14.6%	597	508	14.9%
Lake City	145	113	22.1%	95	74	22.1%	257	180	30.0%
Lake-Sumter	97	45	53.6%	57	49	14.0%	209	163	22.0%
Manatee	504	361	28.4%	429	315	26.6%	754	635	15.8%
Miami Dade	3,457	3,137	9.3%	2,669	2,392	10.4%	4,525	3,888	14.1%
North Florida	56	29	48.2%	40	24	40.0%	83	59	28.9%
Okaloosa-Walton	258	162	37.2%	184	127	31.0%	380	321	15.5%
Palm Beach	1,374	902	34.4%	1,065	693	34.9%	1,817	1,605	11.7%
Pasco-Hernando	384	303	21.1%	311	239	23.2%	729	592	18.8%
Pensacola	449	390	13.1%	338	298	11.8%	816	709	13.1%
Polk	417	335	19.7%	315	248	21.3%	666	555	16.7%
St. Johns	273	77	71.8%	191	117	38.7%	370	280	24.3%
St. Petersburg	1,005	796	20.8%	764	637	16.6%	1,765	1,601	9.3%
Santa Fe	630	508	19.4%	448	362	19.2%	846	766	9.5%

Exhibit 1 (continued)
Percentage of Students Needing Developmental Education Who Do Not Enroll in College Prep Within Two Years
2005 Accountability Measure 4, Part 1

College	Reading			Writing			Mathematics		
	Tested into Prep	Enrolled in Prep	Percent Not Enrolled	Tested into Prep	Enrolled in Prep	Percent Not Enrolled	Tested into Prep	Enrolled in Prep	Percent Not Enrolled
Seminole	574	387	32.6%	513	340	33.7%	914	706	22.8%
South Florida	92	64	30.4%	58	40	31.0%	165	133	19.4%
Tallahassee	889	831	6.5%	691	609	11.9%	1,148	1,070	6.8%
Valencia	1,689	1,296	23.3%	1,047	775	26.0%	2,303	2,036	11.6%
System	19,946	15,398	22.8%	14,477	11,562	20.1%	29,132	23,395	19.7%
Minimum			2.5%			5.2%			6.8%
Maximum			71.8%			53.8%			57.8 %

Source: Florida Community College Accountability Report, CCTCMIS, 2005.

Exhibit 2
Percentage of Students Needing Developmental Education Who Do Not Enroll in College Prep Within Two Years
2006 Accountability Measure 4, Part 1

College	Reading			Writing			Mathematics		
	Tested into Prep	Enrolled in Prep	Percent Not Enrolled	Tested into Prep	Enrolled in Prep	Percent Not Enrolled	Tested into Prep	Enrolled in Prep	Percent Not Enrolled
Brevard	591	523	11.5%	383	327	14.6%	959	868	9.5%
Broward	2,284	1,883	17.6%	1,478	1,304	11.8%	2,753	2,429	11.8%
Central Florida	229	158	31.0%	139	104	25.2%	333	256	23.1%
Chipola	98	95	3.1%	90	82	8.9%	177	145	18.1%
Daytona Beach	435	402	7.6%	315	268	14.9%	881	822	6.7%
Edison	689	409	40.6%	466	256	45.1%	1,089	752	30.9%
Florida CC @ Jack	1,464	652	55.5%	924	707	23.5%	1,148	956	16.7%
Florida Keys	36	28	22.2%	28	14	50.0%	45	28	37.8%
Gulf Coast	252	203	19.4%	182	133	26.9%	467	373	20.1%
Hillsborough	1,106	846	23.5%	859	676	21.3%	1,541	1,020	33.8%

Exhibit 2 (continued)
Percentage of Students Needing Developmental Education Who Do Not Enroll in College Prep
2006 Accountability Measure 4, Part 1

College	Reading			Writing			Mathematics		
	Tested into Prep	Enrolled in Prep	Percent Not Enrolled	Tested into Prep	Enrolled in Prep	Percent Not Enrolled	Tested into Prep	Enrolled in Prep	Percent Not Enrolled
Indian River	405	338	16.5%	295	259	12.2%	676	586	13.3%
Lake City	148	116	21.6%	99	89	10.1%	254	193	24.0%
Lake-Sumter	155	60	61.3%	81	72	11.1%	240	202	15.8%
Manatee	430	253	41.2%	370	272	26.5%	567	487	14.1%
Miami Dade	3,657	3,320	9.2%	2,880	2,597	9.8%	4,880	4,214	13.6%
North Florida	79	44	44.3%	60	48	20.0%	106	81	23.6%
Okaloosa-Walton	262	194	26.0%	194	153	21.1%	411	338	17.8%
Palm Beach	1,373	941	31.5%	1,022	693	32.2%	1,773	1,549	12.6%
Pasco-Hernando	396	317	19.9%	296	223	24.7%	751	613	18.4%
Pensacola	499	441	11.6%	334	289	13.5%	913	807	11.6%
Polk	542	437	19.4%	358	303	15.4%	803	711	11.5%
St. Johns	345	109	68.4%	273	180	34.1%	585	387	33.8%
St. Petersburg	1,123	874	22.2%	784	608	22.4%	1,860	1,686	9.4%
Santa Fe	693	588	15.2%	428	366	14.5%	888	852	4.1%
Seminole	733	503	31.4%	605	446	26.3%	1,076	848	21.2%
South Florida	91	57	37.4%	64	44	31.3%	204	139	31.9%
Tallahassee	923	879	4.8%	721	644	10.7%	1,197	1,140	4.8%
Valencia	1,841	1,460	20.7%	1,193	830	30.4%	2,178	1,940	10.9%
System	20,879	16,130	22.7%	14,921	11,987	19.7%	28,755	24,422	15.1%
Minimum			3.1%			8.9%			4.1%
Maximum			68.4%			50.0%			37.8%

Source: Florida Community College Accountability Report, CCTCMIS, 2006.

Findings. (continued)

Systemwide, the percentage of students who tested into developmental education but did not enroll in the appropriate College Prep courses decreased between 2005 and 2006. For developmental reading and writing, the decrease was slight, 0.4% and 2.0% respectively. But in math the decrease was 23%, from 19.7% to 15.1%, meaning a larger proportion of students who need developmental math are enrolling in those courses.

The percentage of students needing developmental education varied widely across subtests and across colleges. The widest variation occurred in developmental reading, where the college percentages of students who did not enroll in needed College Prep courses varied from 3.1% to 68.4%.

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