



Study of Disproportionate Impact of RSCCD Placement Tests, Spring 2000

“disproportionate impact occurs when the percentage of persons from a particular racial, ethnic, gender, age, or disability group who are directed to a particular service or placement based on an assessment instrument, method, or procedure is significantly different than the representation of that group in the population of persons being assessed and that discrepancy is not justified by empirical evidence demonstrating that the assessment instrument, method, or procedure is a valid and reliable predictor of performance in the relevant educational setting.” [Section 55502(e).]

In order to determine if any disproportionate impact on special populations occurs with relation to RSCCD's Course Placement Testing, records of students who took the DTLS (for English course placement) and the MDTP (for Math course placement) were tracked from advisory placement, to enrollment, and completion of each course in the sequence (Spring 2000). The special populations of particular interest to California community colleges include age, gender, ethnicity, and disability groups.

None of the comparisons of those data reveal a disproportionate impact as students enroll in a given course, or in their completion rates in those courses. Similarly, no impact is found relating to students who entered the course without qualifying by a placement test score, rather qualifying by prerequisite or not qualified by either mean.

The placement tests, however, are picking up statistically valid differences among the skill levels of underrepresented student groups who are coming to RSCCD. Specifically:

- In English O61 and 101, the percentage of Caucasians who qualified by test (compared to the total group) is much higher; rates of Latino and Asian students placed in O61 and 101 are much lower.
- For Math NO5, Latino rates of qualifying-by-test are higher, and Caucasian and Asian rates lower.
- In Math O70 and O80, Asian qualifying-by-test rates are higher, while Latino rates drop.

Further investigation should be done to ascertain if those differences can be substantiated by other sources (i.e., feeder high school competency data).

Percent Distributions Within Demographic Groups														
	Total Tested n=1428	Tested into English N50 n=306	Qualify by Test			Qualify by Course			No Restrictions			TOTAL		
			Pass rate=			Pass rate=			Pass rate=32%			Pass rate=32%		
			enrolled n=0	passed n=0	points differin g	enrolled n=0	passed n=0	points differin g	enrolled n=306	passed n=100	points differin g	enrolled n=306	passed n=100	points differin g
<u>Ethnicity</u>														
Amer.Indian	1.4	.1					.7	1.0	+3	.7	1.0	+3		
Afr.American	2.4	1.6					3.6	2.0	-1.6	3.6	2.0	-1.6		
Asian	10.5	16.0					14.8	13.0	-1.8	14.8	13.0	-1.8		
Caucasian	28.2	7.8					8.8	7.0	-1.8	8.8	7.0	-1.8		
Latino	50.3	68.0					68.6	73.0	+5.3	68.6	73.0	+5.3		
Filipino	1.7	1.6					-	-	-	-	-	-		
Other	5.5	4.2					3.6	4.0	+4	3.6	4.0	+4		
<u>Age</u>														
<20	24.0	20.3					33.0	30.0	-3.0	33.0	30.0	-3.0		
20-24	41.9	43.1					41.5	45.0	+3.5	41.5	45.0	+3.5		
25-29	15.3	16.0					9.8	10.0	+2	9.8	10.0	+2		
30-49	17.3	18.9					14.4	13.0	-1.4	14.4	13.0	-1.4		
50+	1.5	1.6					1.3	2.0	+7	1.3	2.0	+7		
<u>Gender</u>														
male	49.3	50.0					49.0	42.0	-7.0	49.0	42.0	-7.0		
female	50.7	50.0					51.0	58.0	+7.0	51.0	58.0	+7.0		
<u>Disability</u>														
Learning	not available						n=172	n=53		n=172	n=53			
Physical							3.9	3.0	-.9	3.9	3.0	-.9		
Economic							2.0	2.0	-	2.0	2.0	-		
							50.3	48.0	-1.7	50.3	48.0	-1.7		

Percent Distributions Within Demographic Groups														
	Total Tested n=1428	Tested into English N60 n=684	Qualify by Test			Qualify by Course			Not Qualified/No Restrictions			TOTAL		
			Pass rate=40%			Pass rate=48%			Pass rate=39%			Pass rate=44%		
			enrolled n=665	passed n=283	points differin g	enrolled n=168	passed n=81	points differin g	enrolled n=260	passed n=94	points differin g	enrolled n=1093	passed n=471	points differin g
Ethnicity														
Amer.Indian	1.4	2.0	.9	1.4	+5	0	0	-	.4	-	-4	.6	.8	+2
Afr.American	2.4	2.3	3.0	3.9	+9	1.8	1.2	-6	2.7	.9	-1.8	2.7	2.8	+1
Asian	10.5	9.8	8.6	10.6	+2.0	16.7	17.2	+5	12.0	13.1	+1.1	10.6	12.3	+1.7
Caucasian	28.2	22.4	19.7	18.7	-1.0	11.3	13.6	+2.3	10.0	12.1	+2.1	16.1	16.3	+2
Latino	50.3	56.6	61.4	58.7	-2.7	69.6	66.7	=2.9	70.2	65.4	-4.8	64.5	61.6	-2.9
Filipino	1.7	1.9	1.5	1.4	-	-	-	-	1.1	1.9	+8	1.2	1.3	-.1
Other	5.5	5.0	5.0	5.5	+5	.6	1.2	+6	4.6	6.5	+1.9	4.2	4.9	+7
Age														
<20	24.0	27.0	38.5	33.9	-5.4	49.4	51.9	+2.5	28.1	31.8	+3.7	37.7	36.5	-1.2
20-24	41.9	43.4	40.2	38.2	-20	36.9	33.3	-3.6	51.9	42.1	-9.8	42.5	38.2	-4.2
25-29	15.3	14.0	8.7	10.6	+1.9	2.4	-	-2.4	10.0	14.0	+4.0	8.1	9.6	+1.5
30-49	17.3	14.7	12.2	16.3	+4.1	10.7	13.6	+2.9	9.2	12.1	+2.9	11.3	14.9	+3.6
50+	1.5	.7	.5	1.1	+6	.6	1.2	+6	.8	-	-8	.5	.8	+3
Gender														
male	49.3	50.6	49.3	45.2	-4.1	41.7	40.7	-1.0	51.9	50.1	-1.8	48.8	45.4	-3.4
female	50.7	49.4	50.7	54.8	+4.1	58.3	59.3	+1.0	48.1	49.9	+1.8	51.2	54.6	+3.4
Disability			n=256	n=111		n=119	n=61		n=134	n=50		n=509	n=222	
Learning	not available		2.6	2.8	+2	5.4	6.2	+8	6.7	2.0	-4.7	3.6	3.0	-6
Physical			1.4	1.4	-	3.6	3.7	+1	2.2	2.0	-.2	1.7	1.7	-
Economic			34.6	35.0	+4	61.9	65.4	+3.5	46.3	46.0	-.3	41.3	42.5	+1.2

Percent Distributions Within Demographic Groups														
	Total Tested n=1428	Tested into English 061 n=287	Qualify by Test			Qualify by Course			No Restrictions			TOTAL		
			Pass rate=			Pass rate=41%			Pass rate=49%			Pass rate=49%		
			enrolled n=0	passed n=0	points differin g	enrolled n=58	passed n=23	points differin g	enrolled n=1140	passed n=562	points differin g	enrolled n=1198	passed n=585	points differin g
Ethnicity														
Amer.Indian	1.4	.3				-	-	-	.6	.5	-1	.6	.5	-1
Afr.American	2.4	2.8				-	-	-	2.1	1.8	-3	2.0	1.7	-3
Asian	10.5	7.7				13.8	17.4	+3.6	11.9	11.4	-5	12.0	11.7	-3
Caucasian	28.2	47.7				1.7	-	-1.7	20.4	21.4	+1.0	19.5	20.5	+1.0
Latino	50.3	32.1				77.6	78.3	+7	58.7	57.8	-9	59.6	58.6	-1.0
Filipino	1.7	1.7				3.4	4.3	+9	1.9	1.8	-1	2.0	1.9	-1
Other	5.5	7.7				3.4	-	-3.4	4.3	5.3	+1.0	4.3	5.1	+8
Age														
<20	24.0	23.0				22.4	21.7	-7	40.4	44.3	+3.9	39.5	43.4	+3.9
20-24	41.9	41.1				70.7	69.6	-1.1	39.2	36.1	-3.1	40.7	37.4	-3.3
25-29	15.3	16.4				1.7	-	-1.7	10.3	9.1	-1.2	9.8	8.7	-1.1
30-49	17.3	17.8				5.2	8.7	+3.5	8.8	8.9	+1	8.6	8.9	+3
50+	1.5	1.7				-	-	-	1.4	1.6	+2	1.3	1.5	+2
Gender														
male	49.3	49.8				44.8	43.5	-1.3	48.2	48.9	+7	48.1	48.7	+6
female	50.7	50.2				55.2	56.5	+1.3	51.8	51.1	-7	51.9	51.3	-6
Disability														
Learning	not available					n=38 1.7	n=17 -	-1.7	n=506 2.6	n=245 2.3	-3	n=544 2.6	n=262 2.2	-4
Physical	not available					5.2	8.7	+3.5	1.8	1.4	-4	1.9	1.7	-2
Economic	not available					58.6	65.2	+4.9	40.3	40.4	+1	41.2	41.4	+2

Percent Distributions Within Demographic Groups														
	Total Tested n=1428	Tested into English 101 n=151	Qualify by Test			Qualify by Course			No Restrictions			TOTAL		
			Pass rate=			Pass rate=47%			Pass rate=46%			Pass rate=46%		
			enrolled n=0	passed n=0	points differin g.	enrolled n=50	passed n=24	points differin g	enrolled n=1416	passed n=656	points differin g	enrolled n=1467	passed n=680	points differin g
Ethnicity														
Amer.Indian	1.4	2.0				-	-	-	.4	.3	-1	.4	.1	-3
Afr.American	2.4	3.3				-	-	-	2.0	1.9	-1	2.0	1.9	-1
Asian	10.5	7.9				12.0	16.7	+4.7	20.1	18.6	-1.5	19.9	18.9	-1.0
Caucasian	28.2	58.9				14.0	12.5	-1.5	27.7	34.2	+6.5	27.2	32.5	+5.3
Latino	50.3	20.5				66.0	62.5	-3.5	41.7	36.6	-5.0	42.5	38.5	-4.0
Filipino	1.7	.7				-	-	-1.5	1.8	2.0	+2	1.8	1.9	+1
Other	5.5	6.6				8.0	8.3	-1.3	6.2	6.2	-	6.3	6.0	-3
Age														
<20	24.0	19.9				8.0	4.2	-3.8	26.4	30.2	+3.8	28.2	31.8	+3.6
20-24	41.9	33.8				70.0	66.7	-3.3	48.2	48.0	-2	47.0	46.2	-8
25-29	15.3	17.2				6.0	4.2	-1.8	11.7	8.1	-3.6	12.0	7.9	-4.1
30-49	17.3	24.5				16.0	25.0	+9.0	12.4	12.5	+1	11.7	12.9	+1.2
50+	1.5	4.6				-	-	-	1.2	1.2	-	1.2	1.2	-
Gender														
male	49.3	41.1				48.0	45.8	-22	45.7	44.2	-1.5	45.8	44.3	-1.5
female	50.7	58.9				52.0	54.2	+22	54.3	55.8	+1.5	54.2	55.7	+1.5
Disability														
Learning	not available					n=32	n=16		n=612	n=254		n=644	n=270	
Physical						4.0	4.2	+2	1.8	1.9	+1	1.9	2.0	+1
Economic						2.0	4.2	+2.2	2.2	1.8	-4	2.2	1.8	-4
						58.0	58.3	+3	39.1	33.6	-4.5	39.8	34.5	-5.3

Percent Distributions Within Demographic Groups															
	Total Tested n= 1495	Tested into Math N05 n= 402	Qualify by Test			Qualify by Course			Qualify Other			TOTAL			
			Pass Rate=			Pass Rate=			Pass Rate= 39%			Pass Rate= 39%			
			Enrolled n=0	Passed n=0	points differin g	Enrolled n=0	Passed n=0	points differin g	enrolled n= 239	Passed n= 94	points differin g	Enrolled n= 239	Passed n= 94	points differin g	
<u>Ethnicity</u>															
Amer.Indian	1.1	.0					.4	1.1	+7	.4	1.1	+7	.4	1.1	+7
Afr.American	2.2	3.5					3.8	4.3	+5	3.8	4.3	+5	3.8	4.3	+5
Asian	16.8	7.4					12.1	12.8	+7	12.1	12.8	+7	12.1	12.8	+7
Caucasian	23.2	13.4					13.0	10.6	-2.4	13.0	10.6	-2.4	13.0	10.6	-2.4
Latino	50.9	71.1					66.9	67.0	+1	66.9	67.0	+1	66.9	67.0	+1
Filipino	1.5	.5					.4	1.1	+7	.4	1.1	+7	.4	1.1	+7
Other	4.3	3.0					13.0	10.6	-3.1	13.0	10.6	-3.1	13.0	10.6	-3.1
<u>Age</u>															
<20	21.8	16.9					19.2	19.1	-1	19.2	19.1	-1	19.2	19.1	-1
20-24	38.9	40.3					25.9	19.1	-6.8	25.9	19.1	-6.8	25.9	19.1	-6.8
25-29	17.3	16.2					16.3	21.3	+5.0	16.3	21.3	+5.0	16.3	21.3	+5.0
30-49	19.6	24.9					33.9	34.0	+1	33.9	34.0	+1	33.9	34.0	+1
50+	2.4	1.7					4.6	6.4	+1.8	4.6	6.4	+1.8	4.6	6.4	+1.8
<u>Gender</u>															
male	48.2	43.3					43.5	48.9	+5.4	43.5	48.9	+5.4	43.5	48.9	+5.4
female	51.8	56.7					56.5	51.1	-5.4	56.5	51.1	-5.4	56.5	51.1	-5.4
<u>Disability</u>															
Learning	Not available						N=150	N=56		N=150	N=56		N=150	N=56	
Physical							8.4	7.4	-1.	8.4	7.4	-1.	8.4	7.4	-1.
Economic							9.5	11.7	+2.2	9.5	11.7	+2.2	9.5	11.7	+2.2
							44.8	40.4	-4.4	44.8	40.4	-4.4	44.8	40.4	-4.4

Percent Distributions Within Demographic Groups														
	Total Tested n= 1,495	Tested into Math N48 n= 437	Qualify by Test			Qualify by Course			Qualify Other			TOTAL		
			Pass Rate=			Pass Rate= 43%			Pass Rate= 48%			Pass Rate= 46%		
			Enrolled n=0	Passed n=0	points differin g	Enrolled n= 352	Passed n= 157	points differin g	Enrolled n= 730	Passed n=350	points differin g	Enrolled n= 1082	Passed n=501	points differin g
Ethnicity														
Amer.Indian	1.1	1.6			.9	1.3	+4	.8	1.1	+3	.8	1.2	+4	
Afr.American	2.2	1.4			3.4	4.0	+6	2.9	1.4	-1.5	3.0	2.2	-8	
Asian	16.8	12.1			11.1	14.6	+3.5	8.4	8.6	+2	9.2	10.4	+1.2	
Caucasian	23.2	22.7			12.2	10.6	-1.6	24.0	24.3	+3	20.1	20.2	+1	
Latino	50.9	55.4			67.6	66.2	-1.4	59.2	59.4	+2	69.9	69.5	-4	
Filipino	1.5	1.8			.3	--	--	.4	.6	+2	.4	.4	--	
Other	4.3	5.0			4.5	3.3	-1.2	4.4	4.6	+2	4.4	4.2	-2	
Age														
<20	21.8	21.7			29.8	33.1	+3.3	33.6	30.6	-3.6	32.3	31.3	-1.0	
20-24	38.9	38.0			33.2	23.8	-9.4	34.4	31.4	-3.0	34.4	29.1	-4.9	
25-29	17.3	18.8			12.5	14.6	+2.1	12.7	16.9	+4.2	12.7	16.2	+3.5	
30-49	19.6	18.3			21.6	25.8	+4.2	16.0	17.1	+1	16.0	19.8	+2.0	
50+	2.4	3.2			2.8	2.6	-2	3.3	4.0	+7	3.3	3.6	+5	
Gender														
male	48.2	46.9			36.6	36.4	-2	44.0	45.4	+1.4	41.6	42.7	+1.1	
female	51.8	53.1			63.4	63.6	+2	56.0	54.6	-1.4	58.4	57.3	-1.1	
Disability														
Learning	Not available				5.4	6.0	+6	3.6	2.0	-1.6	4.2	3.2	-1.	
Physical	Not available				6.0	4.0	-2.0	2.1	2.6	+1.5	3.3	3.0	-3	
Economic	Not available				59.7	58.9	-8	39.9	38.0	-1.9	46.3	44.3	-2.0	

Percent Distributions Within Demographic Groups														
	Total Tested n= 1,495	Tested into Math 060 n= 302	Qualify by Test			Qualify by Course			Qualify Other			TOTAL		
			Pass Rate=50%			Pass Rate= 38%			Pass Rate= 33%			Pass Rate= 40%		
			Enrolled n=326	Passed n=163	points differin g	Enrolled n= 828	Passed n= 319	points differin g	Enrolled n= 382	Passed n=125	points differin g	Enrolled n= 1536	Passed n=607	points differin g
Ethnicity														
Amer.Indian	1.1	.3	.6	1.2	+6	.5	--	--	.3	.9	+6	.5	.5	--
Afr.American	2.2	2.0	2.1	3.4	+1.3	1.3	1.3	--	3.0	2.7	-3	1.9	2.0	+1
Asian	16.8	23.2	16.6	22.3	+5.7	9.8	12.5	+2.7	7.2	6.5	-7	10.6	14.0	+3.4
Caucasian	23.2	37.1	42.0	36.2	-5.8	20.0	22.9	+2.9	26.8	30.6	+3.8	26.6	28.3	+1.7
Latino	50.9	32.1	29.8	27.6	-2.2	63.3	58.9	-4.4	53.9	49.1	-4.8	53.7	48.3	-5.4
Filipino	1.5	1.3	1.5	1.2	-3	1.1	1.6	+5	1.7	1.9	+2	1.3	1.5	+2
Other	4.3	4.0	7.4	8.6	-1	4.0	2.8	-1.2	7.1	8.3	+1.2	5.4	5.4	--
Age														
<20	21.8	22.9	47.2	38.7	-8.5	28.4	34.2	+5.8	37.8	34.3	-3.5	33.3	33.9	+6
20-24	38.9	39.1	27.6	26.4	-1.2	42.3	31.0	-11.3	38.9	35.2	-3.7	39.8	32.1	-5.9
25-29	17.3	16.8	8.9	11.0	+2.1	10.3	11.3	+1.0	10.7	12.0	+1.3	10.0	11.0	+1.0
30-49	19.6	19.2	13.5	19.6	+6.1	15.8	19.1	+3.3	11.2	14.8	+3.6	14.3	18.8	+4.5
50+	2.4	2.0	2.8	4.3	+1.5	3.3	4.4	+1.1	1.4	3.7	+2.3	2.7	4.1	+1.4
Gender														
male	48.2	52.3	51.8	49.1	-2.7	40.9	38.2	-2.7	48.5	46.3	-2.2	44.9	42.8	-2.1
female	51.8	47.7	48.2	50.9	+2.7	59.1	61.8	+2.7	51.5	53.7	+2.2	55.1	57.2	+2.1
Disability			N= 85	N= 41		N=494	N=181		N= 180	N=41		N= 739	N= 263	
Learning	Not available		.9	.6	-3	3.1	3.1	--	2.4	2.7	+3	2.5	2.3	-2
Physical	Not available		2.8	1.2	-1.6	3.6	4.4	+8	2.3	1.9	-4	3.1	3.0	-1
Economic	Not available		22.4	23.3	+9	52.9	49.2	-3.7	38.7	36.0	-2.7	42.4	38.1	-4.3

Percent Distributions Within Demographic Groups														
	Total Tested n= 1495	Tested into Math 070 N= 165	Qualify by Test			Qualify by Course			Qualify Other			TOTAL		
			Pass Rate=			Pass Rate= 20%			Pass Rate= 56%			Pass Rate= 54%		
			Enrolled N= 0	Passed N=0	Pts. Diff.	Enrolled N= 5	Passed N= 1	Pts. Diff.	Enrolled N= 75	Passed N=42	Pts. Diff.	Enrolled N= 80	Passed N= 43	Pts. Diff.
Ethnicity														
Amer.Indian	1.1	.6				--	--	--	--	--	--	--	--	--
Afr.American	2.2	1.8				--	--	--	27	2.4	-3	25	2.3	-2
Asian	16.8	41.2				--	--	--	14.7	14.3	-4	13.8	14.0	+2
Caucasian	23.2	27.9				40.0	100.0	+60.0	21.3	26.2	+4.9	22.5	27.9	+5.4
Latino	50.9	20.6				60.0	--	--	58.7	57.1	-1.6	58.8	55.8	-3.0
Filipino	1.5	1.8				--	--	--	2.7	--	--	2.5	--	--
Other	4.3	6.1				--	--	--	--	--	--	--	--	--
Age														
<20	21.8	26.7				--	--	--	22.7	21.4	-1.3	21.3	20.9	-4
20-24	38.9	34.5				--	--	--	48.0	47.6	-4	45.0	46.5	+1.5
25-29	17.3	20.0				60.0	--	--	13.3	11.9	-1.4	16.3	11.6	-4.7
30-49	19.6	13.9				40.0	100.0	+60.0	10.7	14.3	+3.6	12.5	16.3	+3.8
50+	2.4	4.8				--	--	--	5.3	4.8	-5	5.0	4.7	-3
Gender														
male	48.2	50.9				60.0	100.0	+40.0	76.0	73.8	-2.2	75.0	74.4	-6
female	51.8	49.1				40.0	--	--	24.0	26.2	+2.2	25.0	25.6	+6
Disability														
Learning	not available					N= 1	N= 0		N= 39	N= 22		N= 40	N= 22	
Physical	not available					--	--	--	4.0	4.8	+8	3.8	4.7	+9
Economic	not available					--	--	--	2.7	2.4	-3	2.5	2.3	-2
	not available					20.0	--	--	45.3	45.2	-1	43.8	44.2	+4

Percent Distributions Within Demographic Groups														
	Total Tested n= 1495	Tested into Math 080 n=165	Qualify by Test			Qualify by Course			Qualify Other			TOTAL		
			Pass Rate= 42%			Pass Rate= 36%			Pass Rate= 27%			Pass Rate= 35%		
			Enrolled N= 176	Passed N= 73	Pts. Diff.	Enrolled N= 1118	Passed N= 407	Pts. Diff.	Enrolled N= 308	Passed N= 84	Pts. Diff.	Enrolled N= 1602	Passed N=564	Pts. Diff.
Ethnicity														
Amer.Indian	1.1	.6	--	--	--	.4	.7	+3	.3	1.2	+9	.4	.7	+3
Afr.American	2.2	1.8	3.4	4.1	+7	1.3	1.2	-1	4.9	2.4	-2.5	2.2	1.8	-4
Asian	16.8	41.2	25.6	30.1	+4.5	10.4	11.8	+1.4	14.9	19.0	+59	12.9	15.2	+2.3
Caucasian	23.2	27.9	28.4	35.6	+7.2	24.8	25.8	+1.0	32.1	40.5	+8.4	26.6	29.3	+2.7
Latino	50.9	20.6	29.5	21.9	-7.6	55.4	52.8	-2.4	39.9	32.1	-7.8	49.6	45.7	-3.9
Filipino	1.5	1.8	3.4	1.4	-2.0	2.3	2.2	-1	1.3	2.4	+1.1	2.2	2.1	-1
Other	4.3	6.1	9.7	6.8	-2.9	5.4	5.4	--	6.6	2.4	-4.2	6.1	5.1	-1.0
Age														
<20	21.8	26.7	46.6	49.3	+2.7	23.0	32.4	+9.4	29.3	26.2	-3.1	26.8	33.7	+8.9
20-24	38.9	34.5	36.4	30.1	-6.3	46.0	38.8	-12.8	44.1	42.8	-1.3	44.6	38.3	-6.3
25-29	17.3	20.0	8.0	11.0	+3.0	13.5	11.1	+2.4	15.3	17.9	+2.6	13.2	12.1	-1.1
30-49	19.6	13.9	8.5	8.2	-.3	15.2	14.7	-5	10.4	11.9	+1.5	13.5	13.5	--
50+	2.4	4.8	.6	1.4	+8	2.3	2.9	+6	.9	1.2	+3	1.9	2.5	+4
Gender														
male	48.2	50.9	55.1	53.4	-1.7	41.1	39.1	-2.0	50.7	40.5	-10.2	44.4	41.1	-3.3
female	51.8	49.1	44.9	46.6	+1.7	58.9	60.9	+2.0	49.3	59.5	+10.2	55.6	58.9	+3.3
Disability			N= 48	N= 18		N= 560	N= 193		N= 109	N= 21		N= 718	N= 232	
Learning	not available		1.1	--	--	3.5	3.4	-1	1.8	1.0	-8	2.8	2.7	-1
Physical	not available		--	--	--	3.6	3.2	-4	1.8	1.0	-8	2.7	2.5	-2
Economic	not available		26.7	24.7	-2.0	43.0	40.8	-1.2	33.3	22.9	-10.4	39.3	36.0	-3.3