

The Power of PreK

The Power of PreK Data

MIS 2011



PreKindergarten in Yonkers, NY

- The Yonkers Public Schools
- PreK and later student performance
- Use of the PreK data
- Longitudinal Analysis in a non-longitudinal environment.



Yonkers Public Schools PreK

- 1982: One school.
- 1986: Expansion to 9 schools
 - Desegregation Order, Magnet Schools
 - As many as 18 schools with typical and atypical configurations
- 1986-1997: n=636 to 941
- 1998-Present: Districtwide PreK
 - $N \approx 1500-1650$

PreK Data and Analysis

- PreK Enrollment
 - PreK Enrollment (end-of-year)
 - No PreK Enrollment (end-of-year)
- Individual PreK records matched to scores within each assessment year

PreK Data and Analysis (Continued)

- ❑ NCLB Assessments 98/99 – 04/05
- ❑ ELA, Math Grades 4 and 8
- ❑ Performance Levels:

Below Proficiency	Level 1	Not Meeting Learning Standards
	Level 2	Partially Meeting Learning Standards
At/Above Proficiency	Level 3	Meeting Learning Standards
	Level 4	Meeting Learning Standards with Distinction



November 2004 Analysis

PreK Year	PreK #		Test Year	YPS PreK	ELA #	Math #
93/94	754	→	98/99	No	1120	1288
				Yes	462	493
94/95	845	→	99/00	No	1170	1377
				Yes	434	481
95/96	852	→	00/01	No	1172	1433
				Yes	526	559
96/97	858	→	01/02	No	1174	1326
				Yes	504	525
97/98	889	→	02/03	No	1107	1324
				Yes	549	600
98/99	1598	→	03/04	No	712	894
				Yes	922	976



November 2004 Analysis

- Acquired PreK enrollment records
- Matched to ELA and Math
- Report
 - PreK Enrollment
 - Tabular Results
 - Graph by year and subject
- To Deputy Superintendent

Sample of Data Presentation

YONKERS PUBLIC SCHOOLS

ELA-4 Proficiency by PreK Participation

ELA 1999 through 2004 Compared to PreK 93/94 through 98/99

All

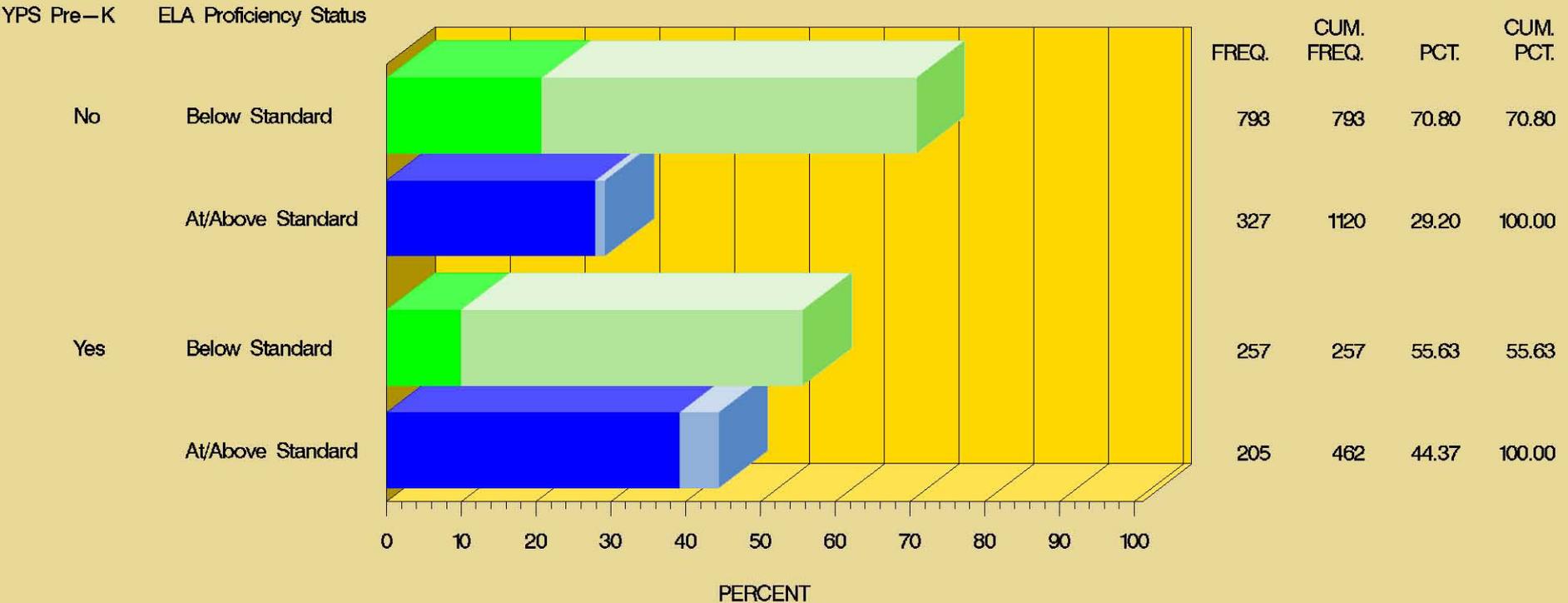
			ELA Performance Level				ELA Proficiency Status		All
			1	2	3	4	Below Standard	At/Above Standard	
Year	YPS Pre-K								
1999	No	Number	233	560	313	14	793	327	1120
		Percent	20.8	50.0	27.9	1.3	70.8	29.2	100.0
	Yes	Number	46	211	181	24	257	205	462
		Percent	10.0	45.7	39.2	5.2	55.6	44.4	100.0
2000	No	Number	142	446	462	120	588	582	1170
		Percent	12.1	38.1	39.5	10.3	50.3	49.7	100.0
	Yes	Number	38	134	189	73	172	262	434
		Percent	8.8	30.9	43.5	16.8	39.6	60.4	100.0
2001	No	Number	184	431	412	145	615	557	1172
		Percent	15.7	36.8	35.2	12.4	52.5	47.5	100.0

YONKERS PUBLIC SCHOOLS

ELA-4 Proficiency by PreK Participation

ELA 1999 through 2004 Compared to PreK 93/94 through 98/99

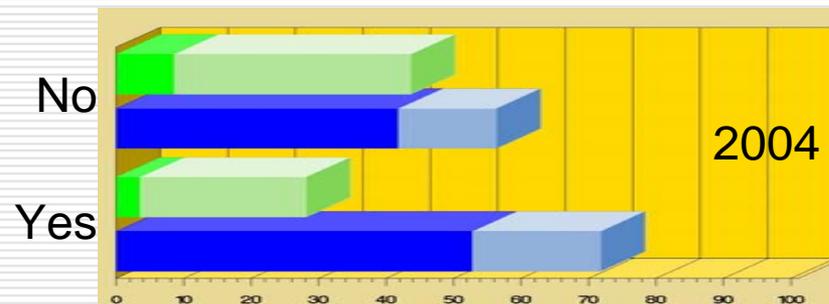
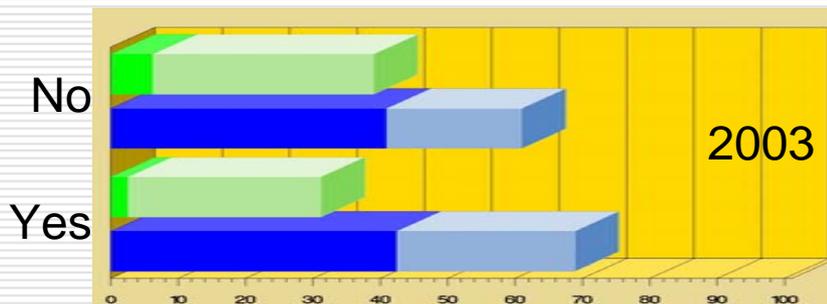
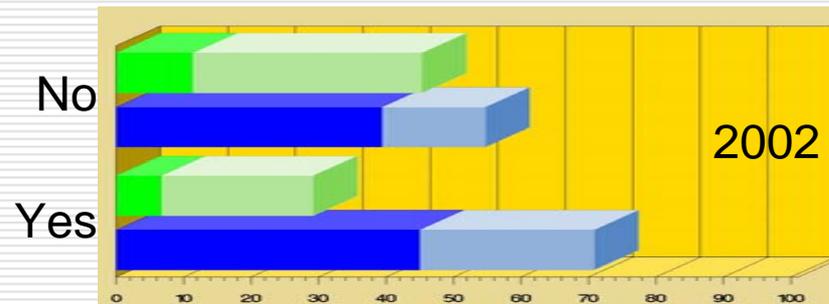
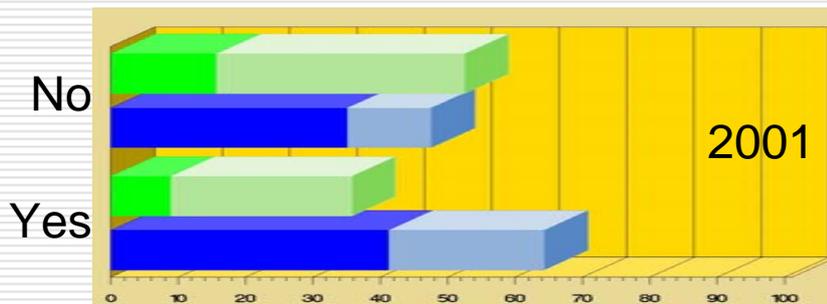
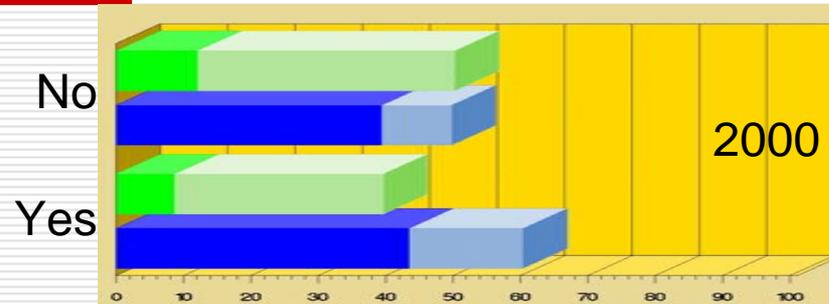
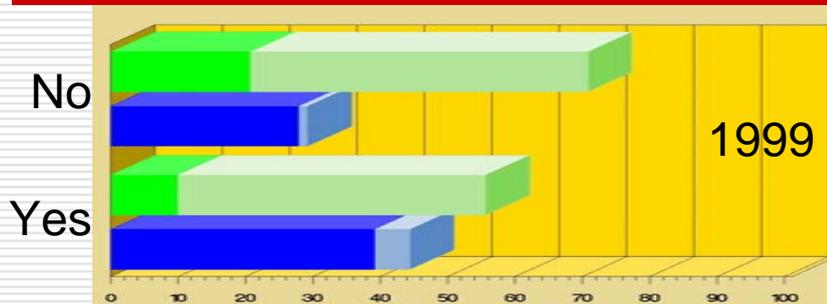
Year= 1999



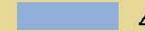
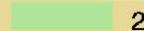
ELA Performance Level 1 2 3 4



November 2004 Analysis: Grade 4 ELA 1999 - 2004

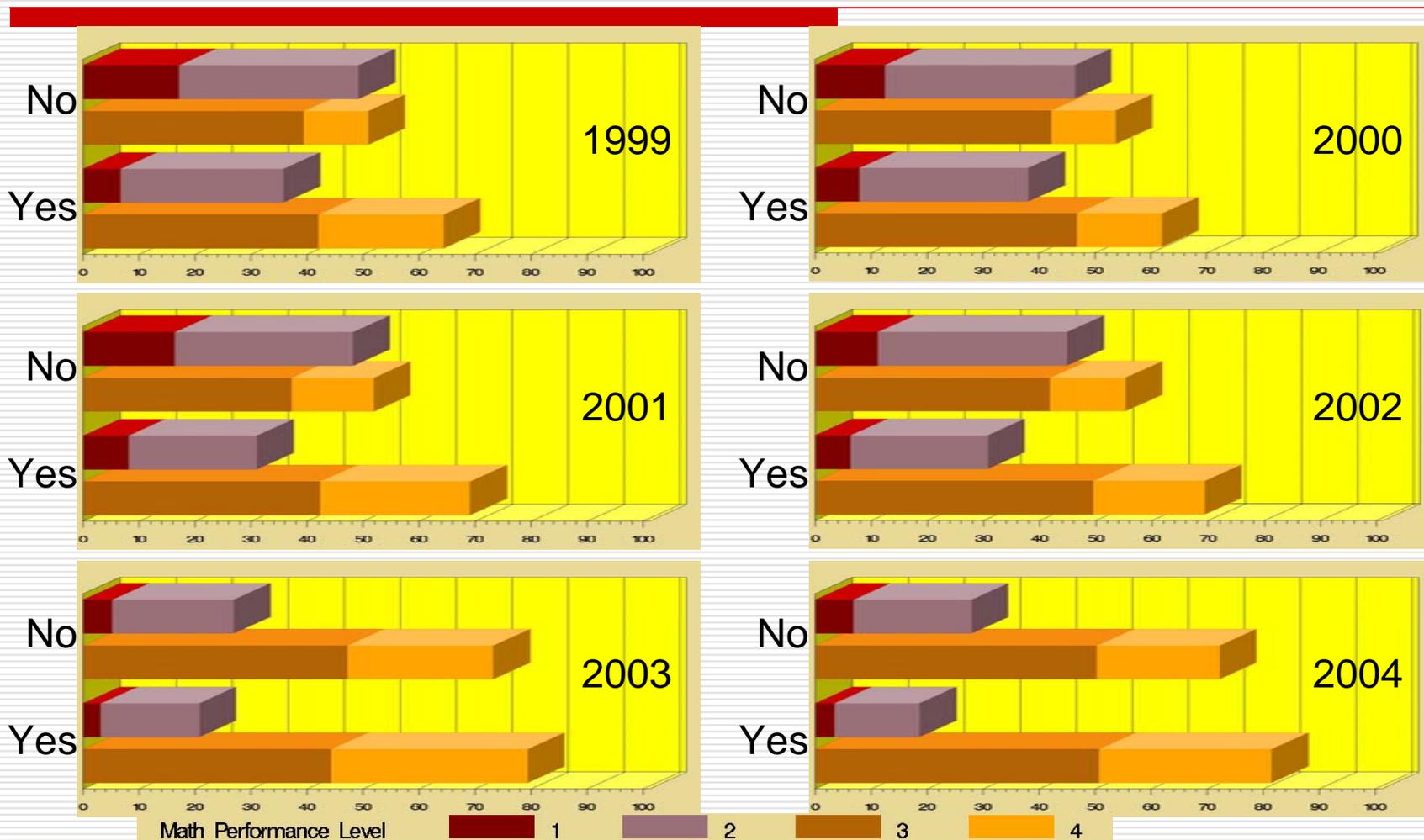


ELA Performance Level





November 2004 Analysis: Grade 4 Math 1999 - 2004



Data/Analysis → Policy

- To Deputy Superintendent
- To Board of Education
- PreK Program intact and funded

2009 Update: ELA and Math

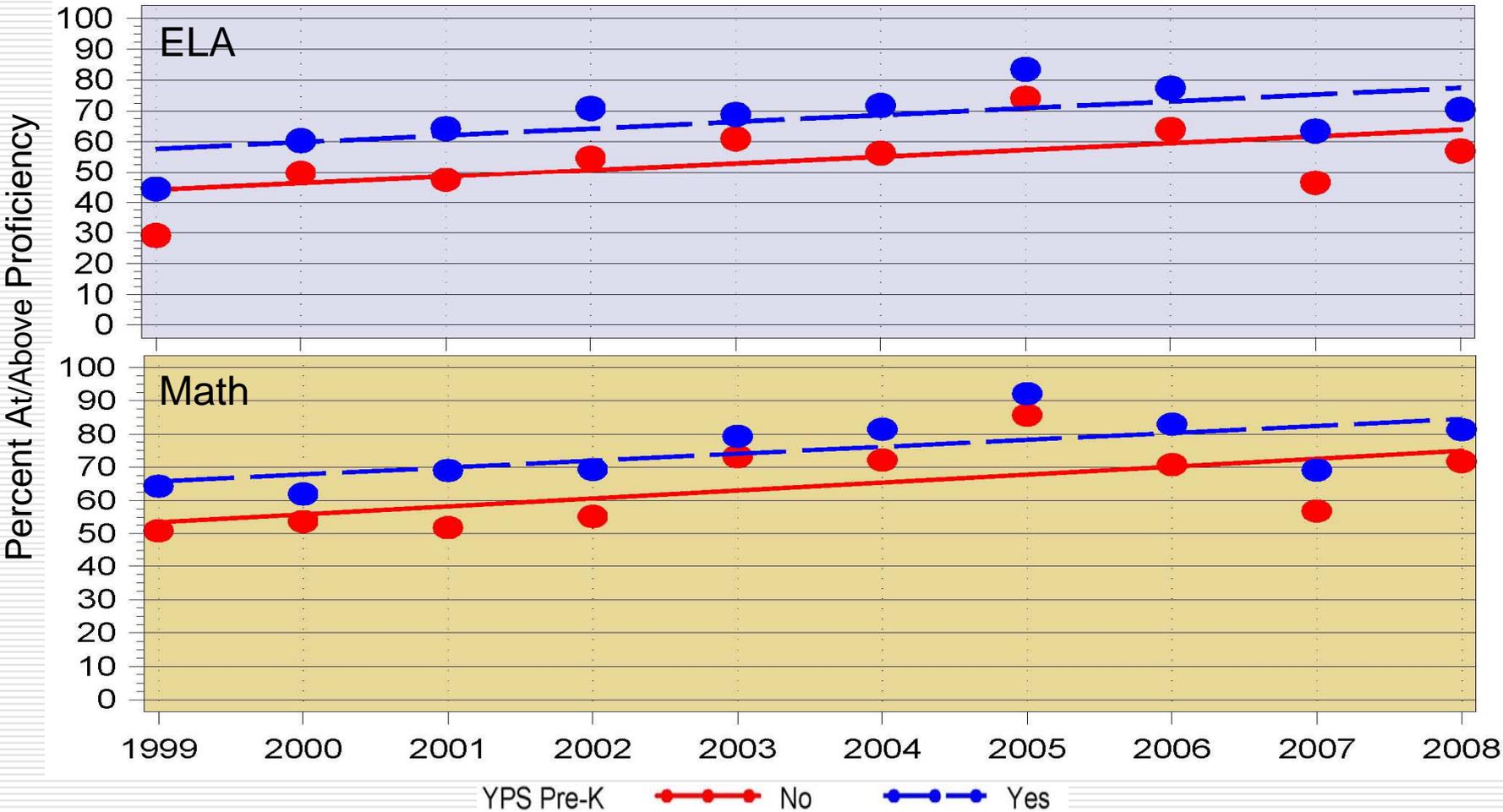
□ Analyses:

- Extended Grades 4, 8 through 2008
- Added Grades 3, 5, 6, 7 for 2006-2008
- Added NCLB Subgroups
 - Ethnicity, Gender, Limited English Proficiency, Free/Reduced Lunch, Disability
- Extended to High School Graduation

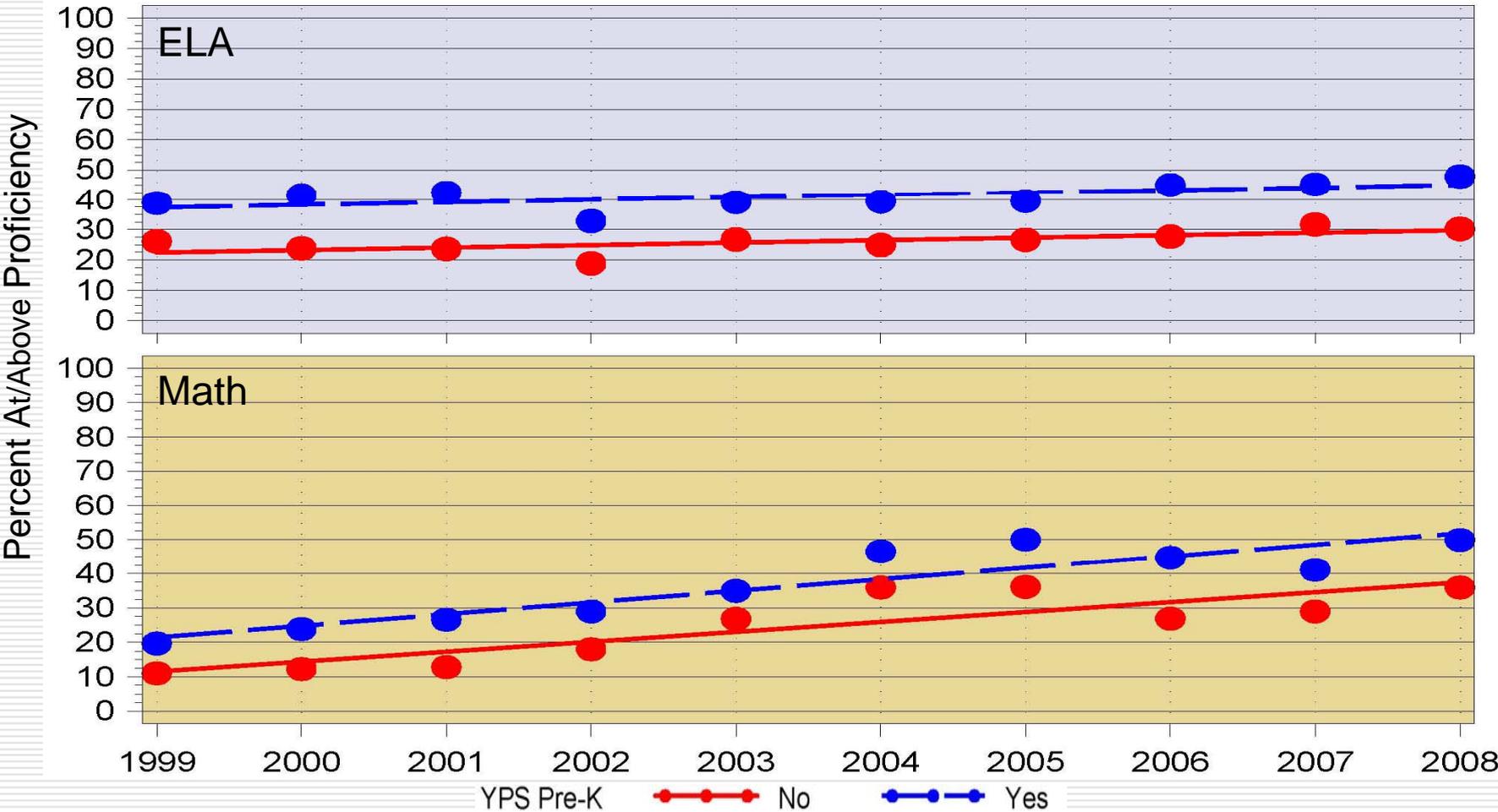
November 2009 Update

PreK Year	PreK #		Test Year	YPS PreK	ELA #	Math #
99/00	1529	→	04/05	No	672	824
				Yes	771	893
00/01	1456	→	05/06	No	720	890
				Yes	752	857
01/02	1475	→	06/07	No	815	836
				Yes	873	868
02/03	1533	→	07/08	No	777	806
				Yes	891	883

2009 Update: Grade 4, 1999-2008

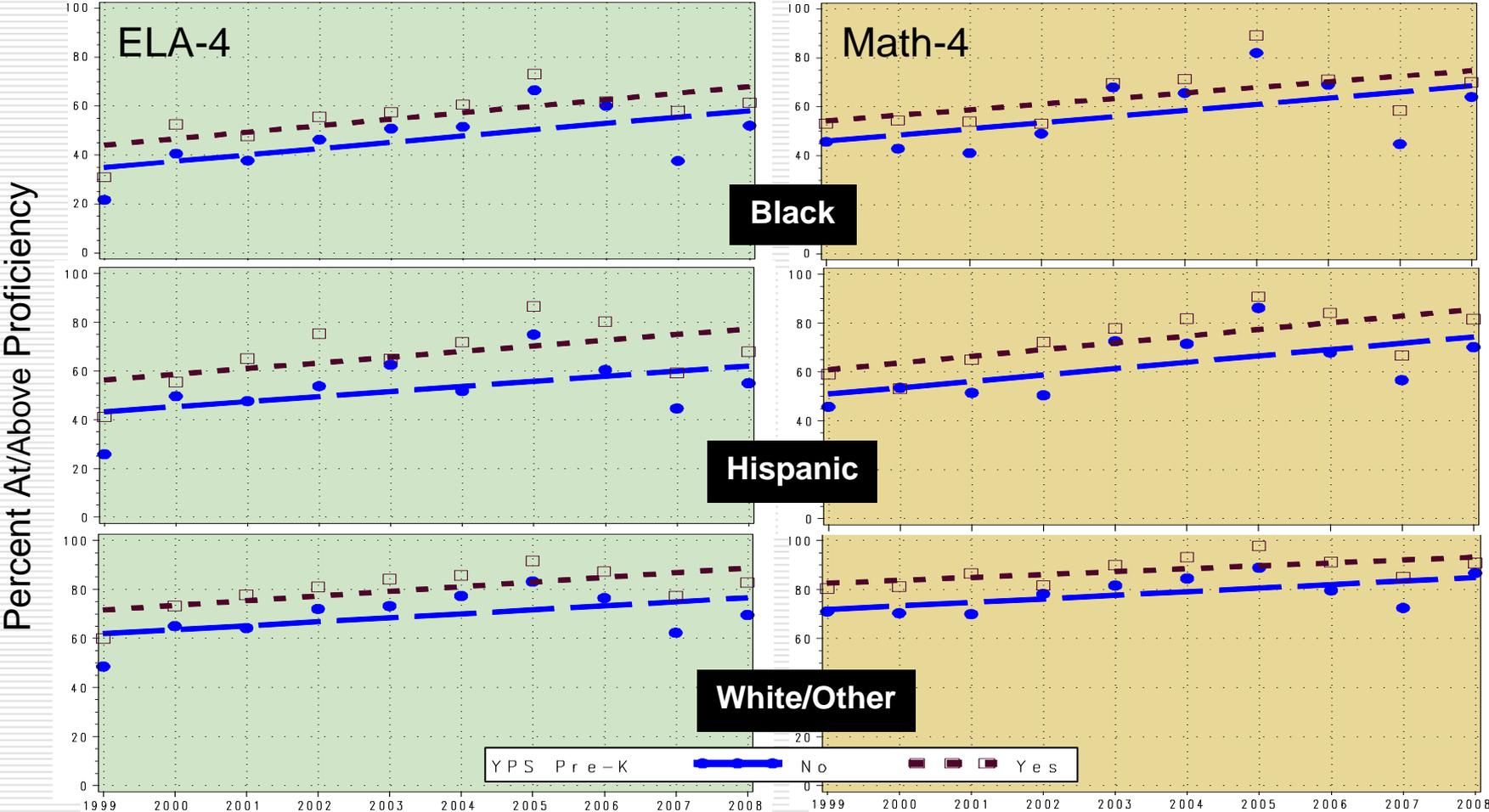


2009 Update: Grade 8, 1999-2008



2009 Update: Subgroup Example

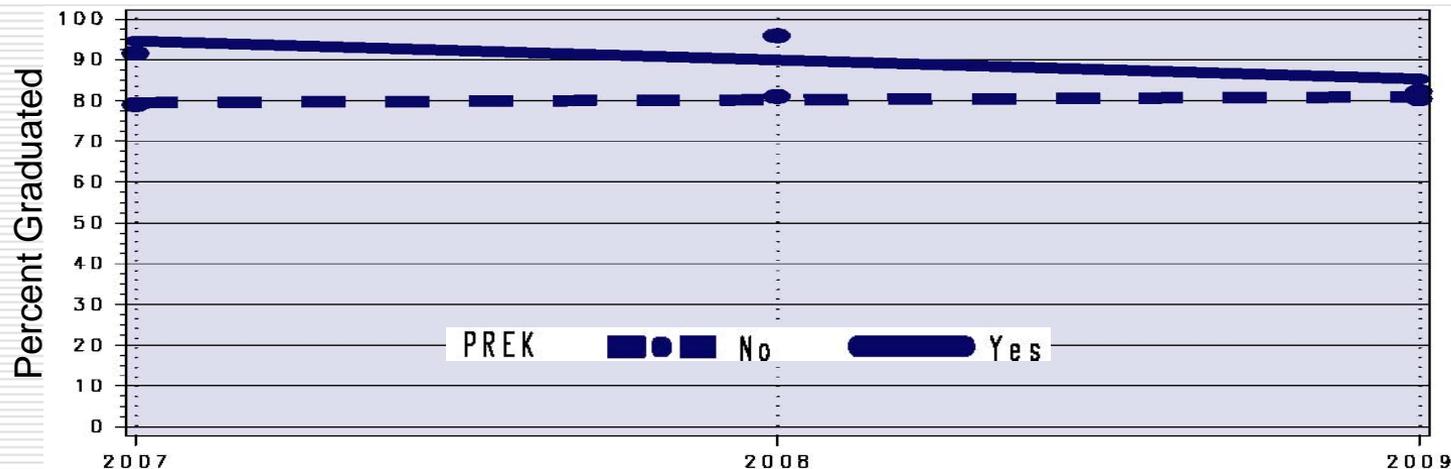
Grade 4 ELA, Math by Ethnicity





2009 Update: HS Graduation

PreK Year	PreK #	Academic Year	YPS PreK	# Graduates	% Graduates
1993/94	1529	2006/07	No	911	79%
			Yes	209	92%
1994/95	1456	2007/08	No	1101	81%
			Yes	236	96%
1996/97	1475	2008/09	No	1161	81%
			Yes	260	81%



June 2010

□ Budget Challenges

- > \$40 million deficit reduced to \approx \$18 million deficit

□ All programs and services were at risk of reduction/elimination. Examples:

- PreK
- Transportation
- Music/Art
- Sports
- Staff (Teaching, Support, Clerical, Administrative)



June 2010: PreK

- State Aid for Yonkers PreK = \$2,700 per pupil
 - Aid to other High Need districts across NYS = \$5,800 per pupil
- **Potential Savings if PreK eliminated = \$6,777,102**
- “This is a nationally recognized program with documented, life-changing results for our students.”



June 2010: Personnel Reductions

	Retired Positions (incentive) <i>Closed</i>	Full-time Positions <i>Closed</i>	Total Positions <i>Eliminated</i>
Civil Service	85	97	182
Teamsters	3	--	3
Teachers	144	90	234
School Administrators	12	--	12
Central Office Administrators	8	--	8
Total	252	187	439

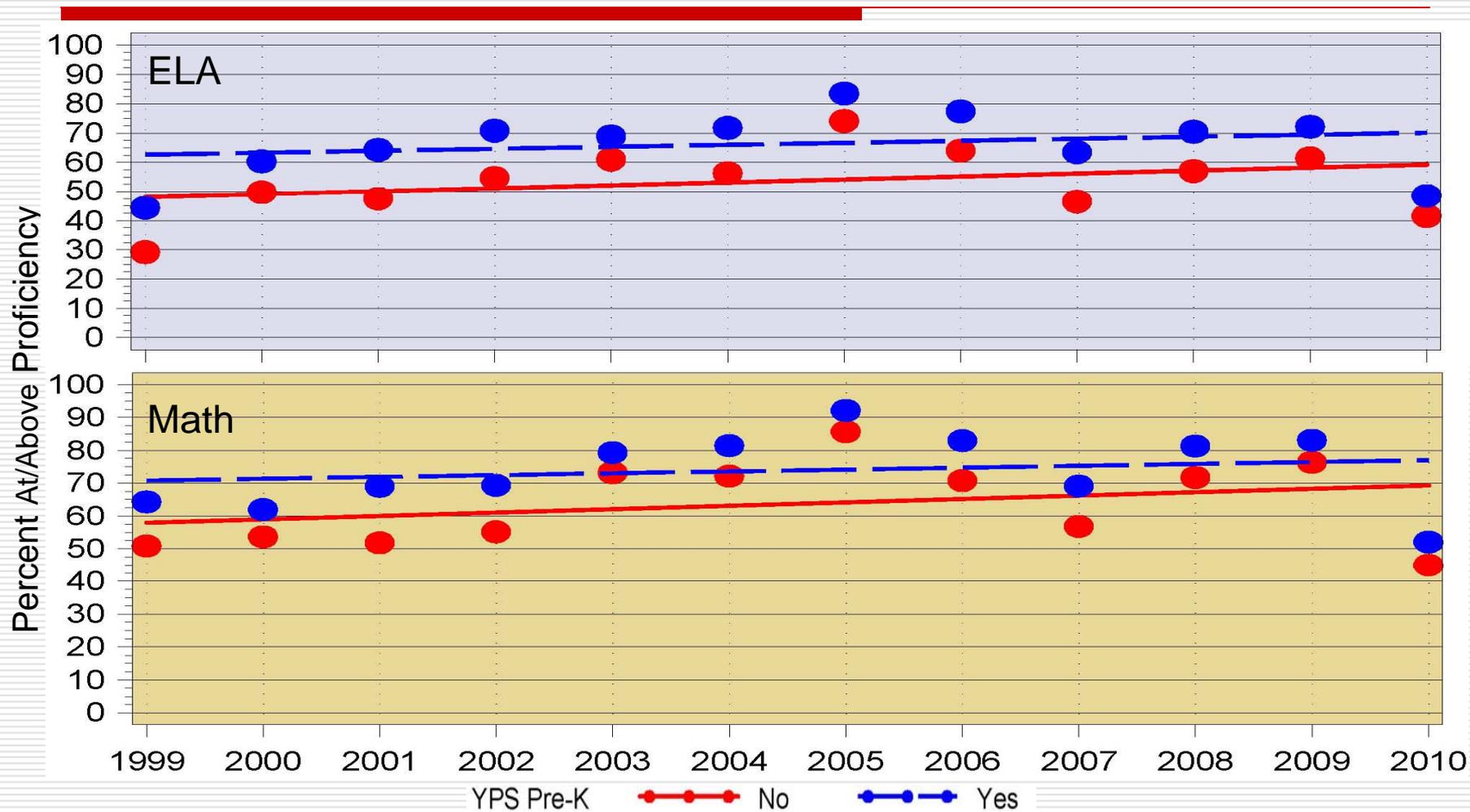
2010-2011 Update

- PreK Program in 2010-2011
 - N = 1563 (+83 = 1646 adding CBO programs)
 - Full Day, Districtwide PreK



2011 Update

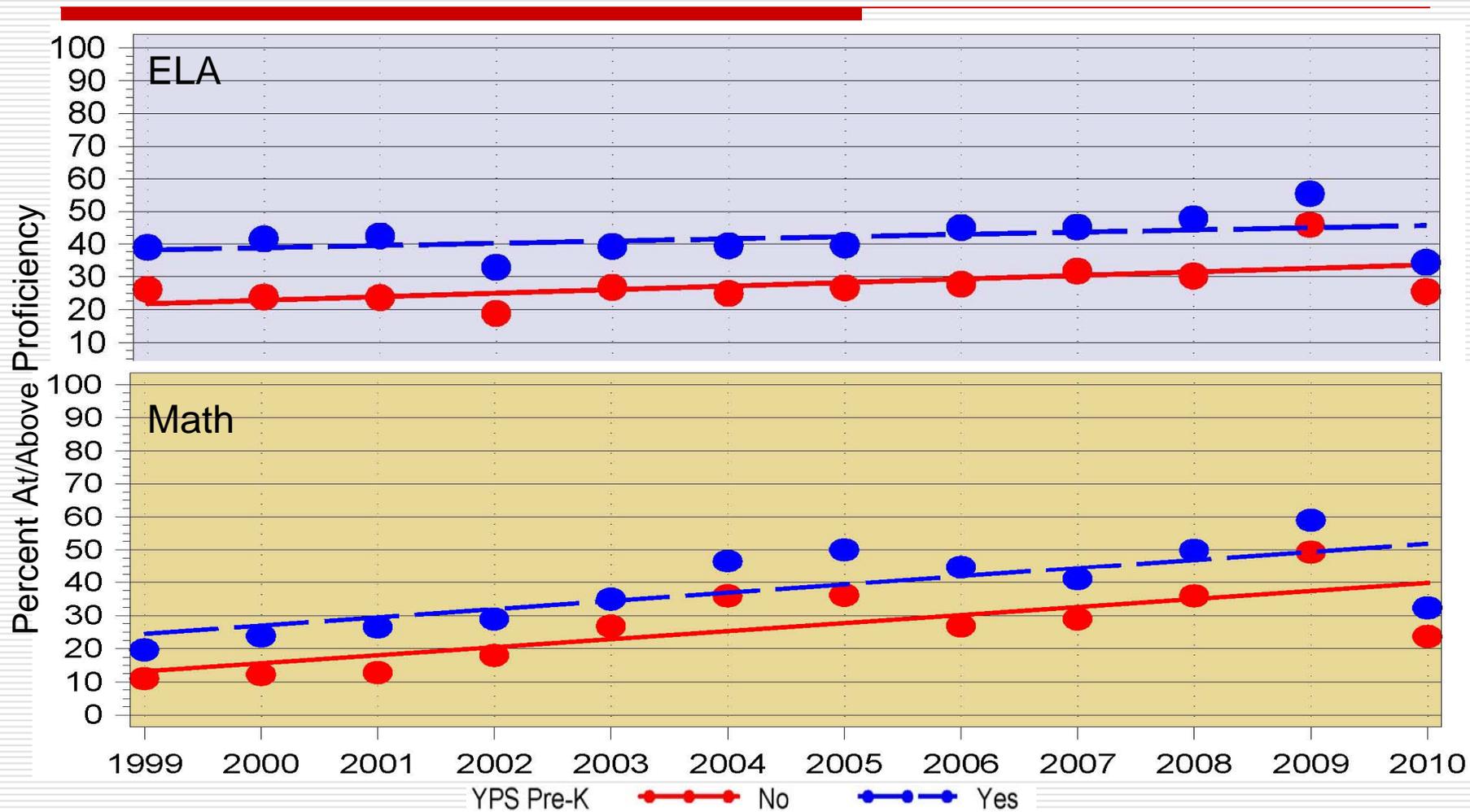
Grade 4 1999 - 2010





2011 Update

Grade 8 1999 - 2010



Longitudinal, Multi-Year

- PreK files
 - End-of-Year
 - Legacy system
- Assessment
 - SAS data sets
 - Authoritative for all assessments



YONKERS PUBLIC SCHOOLS



The release for web use of this photo on file with the Yonkers Public Schools.

<http://www.yonkerspublicschools.org/siar.php>

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