

Statistical Peers for Benchmarking NMSBA 2005

RDA

Research & Evaluation Team

District Goal: Academic Excellence - Closing the Achievement Gap



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Statistical Peers for Benchmarking

Which APS schools are most alike in terms of student characteristics?

The Statistical Peers for Benchmarking tool was created in response to principals' requests for a data-driven strategy to identify groups of similar schools. The tool addressed the question: "Which APS schools are most alike in terms of student characteristics?" Peer groups were formed based on schools' percentages of FRPM, ELL, Underperforming Minorities¹, and Stability² using the statistical method cluster analysis. The method clusters similar schools into groups distinct from one another. When using the Statistical Peers tool, consider each group an intact set of comparison schools.

The Statistical Peers for Benchmarking tool was designed for array of uses from comparing schools on measures of student achievement to creating seating plans for principals' in-services. A primary goal for the tool is to foster collaboration. Comparing schools within one statistical peer group is informative, yet there probably will be situations for some schools to compare themselves to schools in other peer groups. For example, while MacArthur and John Baker are in different statistical peer groups, both are Special Ed Intensive Support Program sites, thus occasionally they may choose to make comparisons with one another.

This report contains three sections. First, the Statistical Peers for Benchmarking tool presents APS schools in 10 groups of statistical peers, five elementary, three middle, two high school³.

There are 3 sections presented:

- Statistical Peers for Benchmarking
- Data used to form statistical peer groups, and recent SBA results
- Graphic displays of 2004-05 SBA results

The second section displays data used in forming the statistical peer groups, recent AYP status, and math and reading percent proficient from the 2005 standards based assessments. Graphs in the third section display achieved percent proficient and an predicted achievement range for each school. Predicted achievement ranges are 95% confidence intervals from multiple regression analysis.

The graphs show only one moment in time (status), so growth from year to year is not considered⁴. In other words, while a school may appear to have performed well or poorly, remarkable loss or gain in performance may be evident when a series of its achievement measures are examined. Predicted achievement ranges provide another way to consider SBA results and represent an improvement over NCLB target methods.

¹ Hispanic, Native American, African American

² Percentage of students enrolled at same school on days 40 and 180 of an academic year

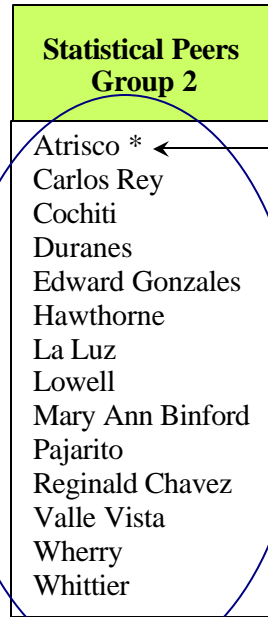
³ Alternative schools not included because school focus uniquely impacts student populations

⁴ Future versions may incorporate a growth method

Using Statistical Peers for Benchmarking

Consider each statistical peers group an distinct set of comparison schools when using the Statistical Peers tool. There probably will be situations for some schools also to compare themselves to schools in other peer groups.

Consider each group a distinct set of comparison schools

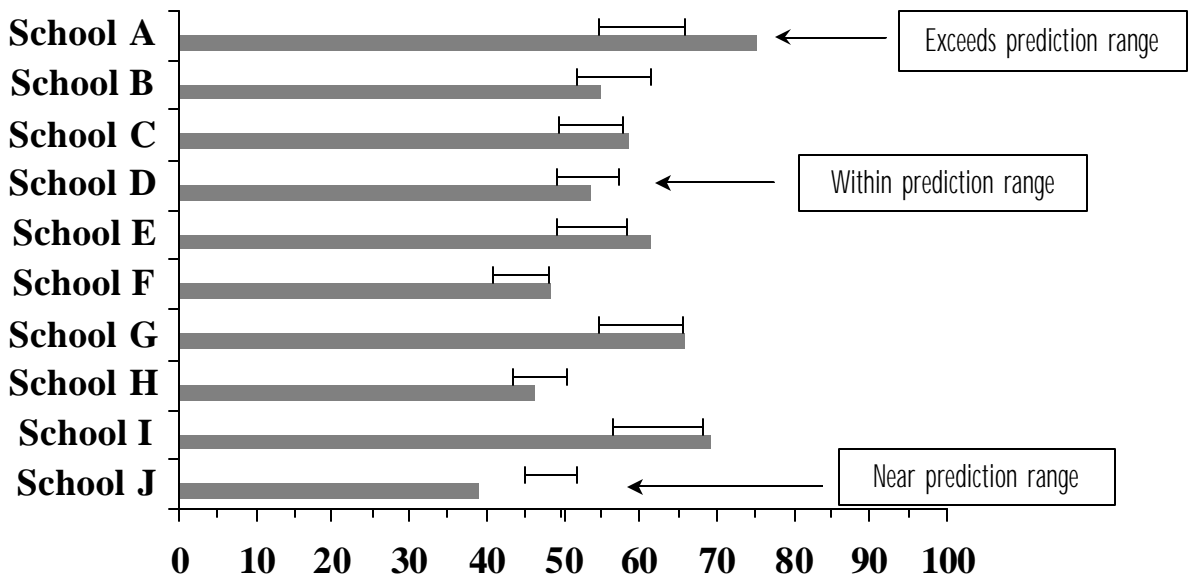


Schools with select special programs are identified.

*Special Ed. Intensive Support Program site

Comparison of Achieved Percent Proficient and Predicted Achievement Range

Solid bars reflect schools' percent proficient achieved. Hairlines show an predicted achievement range (95% confidence interval). Graphs show only one moment in time (status) and growth is not considered in this comparison. Predicted achievement ranges provide another way to consider SBA results and represent an improvement over NCLB target methods.



Statistical Peers for Benchmarking Spring 2006

Statistical Peers Group 1	Statistical Peers Group 3	Statistical Peers Group 4	Statistical Peers Group 5	Statistical Peers Group 6	Statistical Peers Group 7	Statistical Peers Group 9
Adobe Acres Alamosa Armijo Barcelona Dolores Gonzales East San Jose Emerson Eugene Field Kit Carson La Mesa Lavaland Los Padillas Mountain View Navajo	Alameda Apache Bel-Air Chaparral * Eubank Griegos Hodgin ² Kirtland Lew Wallace Longfellow Los Ranchos MacArthur * Manzano Mesa Mark Twain * Matheson Park McCollum * Mission Avenue Montezuma *** Painted Sky S. R. Marmon Tomasita	A. Montoya Acoma Alvarado Arroyo Del Oso Bandelier Bellehaven Chelwood Collet Park Comanche E.G. Ross Governor Bent Inez ** Marie Hughes Mitchell Sandia Base Sierra Vista Sombra Del Monte Zia Zuni	Chamiza Corrales Dennis Chavez Double Eagle Georgia O Keefe Hubert Humphrey John Baker * Monte Vista Oñate Osuna Petroglyph San Antonito Seven Bar * SY Jackson Ventana Ranch	Ernie Pyle Garfield Harrison Hayes * Jimmy Carter *** John Adams * Kennedy * McKinley ² Polk* Truman Van Buren Washington Wilson	Cleveland Grant *** Jackson James Monroe Jefferson ¹ LB Johnson * Taft * Taylor	Albuquerque * ¹ Del Norte ² Highland * Rio Grande * Valley * West Mesa***
Statistical Peers Group 2					Statistical Peers Group 8	Statistical Peers Group 10
Atrisco * Carlos Rey Cochiti Duranes Edward Gonzales Hawthorne La Luz Lowell Mary Ann Binford Pajarito Reginald Chavez Valle Vista Wherry Whittier					Desert Ridge * Eisenhower Hoover Madison * Roosevelt	Cibola * Eldorado * La Cueva Manzano * Sandia ***

*Special Ed. Intensive Support Program site
 **Special Ed. Traumatic Brain Injury unit
 ***Special Ed. Day Treatment unit
¹ Site for Blind / Visually Impaired program
² Site for Deaf / Hard of Hearing program

Statistical peer groups were formed using differences among schools' percentages of: FRPM, ELL, Ethnicities, and Stability. Consider each statistical peers group an intact set of comparison schools.

Performance & Demographic Data

	AYP sba 0304	AYP sba 0405	% FRPM 0405	% ELL 0405	% UPM ¹ 0405	% Stability ² 0405	% Prof Math sba 0405	% Prof Read sba 0405	
Statistical Peers GROUP 1	Adobe Acres ES	Met	Not Met	87	48	92	74	29	39
	Alamosa ES	Met	Not Met	93	41	96	66	26	33
	Armijo ES	Met	Met	96	47	96	66	36	43
	Barcelona ES	Met	Met	96	40	95	67	23	40
	Dolores Gonzales ES	Met	Met	99	43	98	73	38	43
	East San Jose ES	Met	Not Met	97	59	96	73	44	52
	Emerson ES	Met	Not Met	97	51	84	51	24	40
	Eugene Field ES	Not Met	Met	93	54	96	57	65	55
	Kit Carson ES	Met	Not Met	91	35	95	70	20	30
	La Mesa ES	Met	Met	99	69	96	59	40	36
	Lavaland ES	Not Met	Not Met	92	51	94	58	8	29
	Los Padillas ES	Met	Met	93	38	89	72	26	39
	Mountain View ES	Met	Met	90	48	90	59	44	53
Navajo ES	Met	Not Met	93	39	94	77	26	40	

Statistical Peers GROUP 2	Atrisco ES	Not Met	Not Met	88	29	96	35	19	43
	Carlos Rey ES	Met	Not Met	73	39	93	68	15	33
	Cochiti ES	Met	Met	80	27	85	70	34	64
	Duranos ES	Met	Met	90	23	92	66	34	47
	Edward Gonzales ES	no data	Not Met	82	30	90	58	24	34
	Hawthorne ES	Met	Met	88	36	85	61	32	42
	La Luz ES	Met	Not Met	86	38	91	63	31	42
	Lowell ES	Met	Met	94	40	87	52	48	51
	Mary Ann Binford ES	Not Met	Not Met	76	36	94	50	40	49
	Pajarito ES	Not Met	Not Met	73	33	82	67	24	41
	Reginald Chavez ES	Met	Not Met	85	24	93	64	43	52
	Valle Vista ES	Not Met	Not Met	96	32	95	64	16	22
	Wherry ES	Met	Not Met	80	46	82	57	9	33
Whittier ES	Met	Met	90	27	87	55	40	39	

AYP: Adequate yearly progress
sba: Standards based assessments
FRPM: Free / reduced price meals
ELL: English language learners =
NEP or LEP from LAS

¹Under-performing
minorities: Hispanic,
Native American,
and African American

²Stability: percent of
students enrolled at
same school on days
40 & 180 of an
academic year

Performance & Demographic Data

	AYP sba 0304	AYP sba 0405	% FRPM 0405	% ELL 0405	% UPM ¹ 0405	% Stability ² 0405	% Prof Math sba 0405	% Prof Read sba 0405	
Statistical Peers GROUP 3	Alameda ES	Met	Not Met	72	24	81	76	24	53
	Apache ES	Met	Met	73	8	52	58	51	70
	Bel-Air ES	Met	Met	78	12	80	68	23	54
	Chaparral ES	Not Met	Met	56	6	68	62	24	54
	Eubank ES	Not Met	Not Met	80	17	64	50	13	34
	Griegos ES	Met	Met	60	7	78	79	72	76
	Hodgin ES	Met	Not Met	82	14	71	69	35	48
	Kirtland ES	Met	Not Met	78	22	60	54	60	63
	Lew Wallace ES	Met	Met	74	12	84	73	50	62
	Longfellow ES	Met	Met	64	19	88	84	36	51
	Los Ranchos ES	Met	Not Met	64	10	75	74	31	53
	MacArthur ES	Met	Met	65	9	82	68	36	50
	Manzano Mesa ES	no data	Met	61	17	57	56	30	56
	Mark Twain ES	Met	Not Met	69	17	60	64	33	55
	Matheson Park ES	Met	Not Met	67	10	53	63	38	52
	McCollum ES	Met	Met	69	12	58	68	49	69
	Mission Avenue ES	Not Met	Not Met	77	14	82	57	23	46
	Montezuma ES	Not Met	Not Met	57	20	62	61	35	51
	Painted Sky ES	Not Met	Met	64	19	82	66	46	54
Susie Rayos Marmon ES	Met	Not Met	70	12	80	50	24	53	
Tomasita ES	Met	Met	78	17	65	66	35	51	

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Performance & Demographic Data

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Statistical Peers GROUP 4	A. Montoya ES	Met	Not Met	46	3	35	77	38	65
	Acoma ES	Met	Met	52	5	43	74	50	70
	Alvarado ES	Met	Met	49	10	66	73	35	54
	Arroyo Del Oso ES	Met	Met	46	6	53	78	41	63
	Bandelier ES	Met	Met	40	4	39	73	61	78
	Bellehaven ES	Met	Met	44	8	48	79	47	68
	Chelwood ES	Met	Met	61	7	47	64	39	61
	Collet Park ES	Met	Not Met	54	8	41	67	48	65
	Comanche ES	Met	Met	35	4	40	73	62	80
	E.G. Ross ES	Met	Met	56	11	53	69	26	63
	Governor Bent ES	Met	Not Met	53	6	55	71	44	69
	Inez ES	Met	Met	51	3	45	72	61	74
	Marie Hughes ES	Met	Not Met	35	3	55	76	40	68
	Mitchell ES	Met	Met	40	8	38	71	43	70
	Sandia Base ES	Met	Not Met	48	19	56	59	21	44
	Sierra Vista ES	Met	Not Met	36	6	52	73	39	66
	Sombra Del Monte ES	Met	Not Met	45	11	42	75	38	57
Zia ES	Met	Met	58	10	57	64	39	57	
Zuni ES	Met	Not Met	45	7	51	79	43	68	

Statistical Peers GROUP 5	Chamiza ES	Met	Not Met	17	1	44	82	56	76
	Corrales ES	Met	Met	23	2	40	79	52	77
	Dennis Chavez ES	Met	Met	8	3	22	82	74	88
	Double Eagle ES	Met	Met	3	1	15	88	75	85
	Georgia O Keefe ES	Met	Met	10	3	20	76	69	86
	Hubert Humphrey ES	Met	Met	13	3	19	78	75	85
	John Baker ES	Met	Met	32	6	31	79	55	77
	Monte Vista ES	Met	Not Met	35	6	35	75	58	76
	Oñate ES	Met	Met	20	2	38	76	54	79
	Osuna ES	Met	Met	23	3	31	72	61	84
	Petroglyph ES	Met	Met	24	5	50	65	48	68
	San Antonito ES	Met	Met	20	0	20	78	66	86
	Seven Bar ES	Met	Not Met	24	3	46	68	46	68
	SY Jackson ES	Met	Met	13	3	20	84	69	84
	Ventana Ranch ES	no data	Not Met	22	3	44	70	39	64

Performance & Demographic Data

		AYP sba 0304	AYP sba 0405	% FRPM 0405	% ELL 0405	% UPM ¹ 0405	% Stability ² 0405	% Prof Math sba 0405	% Prof Read sba 0405
Statistical Peers GROUP 6	Ernie Pyle MS	Not Met	Not Met	90	35	96	59	10	32
	Garfield MS	Met	Not Met	85	26	93	61	9	36
	Harrison MS	Met	Not Met	90	31	90	66	8	29
	Hayes MS	Met	Not Met	90	37	84	59	15	34
	Jimmy Carter MS	Not Met	Not Met	76	18	86	66	16	32
	John Adams MS	Not Met	Not Met	76	19	90	70	9	35
	Kennedy MS	Not Met	Not Met	74	14	64	64	18	46
	McKinley MS	Not Met	Not Met	77	14	71	63	19	43
	Polk MS	Met	Not Met	89	34	92	52	8	28
	Truman MS	Not Met	Not Met	88	26	94	63	10	30
	Van Buren MS	Not Met	Not Met	84	36	82	58	9	41
	Washington MS	Not Met	Not Met	94	32	96	58	6	32
Wilson MS	Not Met	Not Met	81	23	76	57	16	37	
Statistical Peers Group 7	Cleveland MS	Not Met	Not Met	47	8	50	72	37	64
	Grant MS	Not Met	Not Met	42	6	45	72	22	45
	Jackson MS	Not Met	Not Met	43	3	44	73	33	62
	James Monroe MS	Met	Not Met	27	4	50	75	41	58
	Jefferson MS	Met	Not Met	50	12	59	71	38	60
	LB Johnson MS	Not Met	Met	23	4	55	77	40	72
	Taft MS	Met	Met	54	12	78	71	20	50
Taylor MS	Met	Not Met	49	9	59	70	35	54	
Statistical Peers GROUP 8	Desert Ridge MS	Met	Met	10	3	23	88	67	84
	Eisenhower MS	Met	Met	10	4	19	83	49	81
	Hoover MS	Not Met	Not Met	27	4	31	76	40	63
	Madison MS	Met	Met	25	3	33	80	37	59
	Roosevelt MS	Not Met	Not Met	22	2	29	78	32	66

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Performance & Demographic Data

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Statistical Peers GROUP 9	Albuquerque HS	Not Met	Not Met	38	20	78	53	29	42
	Del Norte HS	Not Met	Not Met	38	12	60	46	36	53
	Highland HS	Not Met	Not Met	49	26	70	54	29	45
	Rio Grande HS	Not Met	Not Met	54	28	92	42	12	28
	Valley HS	Not Met	Not Met	31	14	78	47	30	50
	West Mesa	Not Met	Not Met	50	18	89	49	18	33

Statistical Peers GROUP 10	Cibola HS	Not Met	Met	14	5	46	69	59	73
	Eldorado HS	Not Met	Not Met	12	3	24	75	66	79
	La Cueva HS	Met	Met	5	2	19	79	78	83
	Manzano HS	Not Met	Not Met	29	6	43	65	45	61
	Sandia HS	Not Met	Not Met	15	4	35	53	56	69

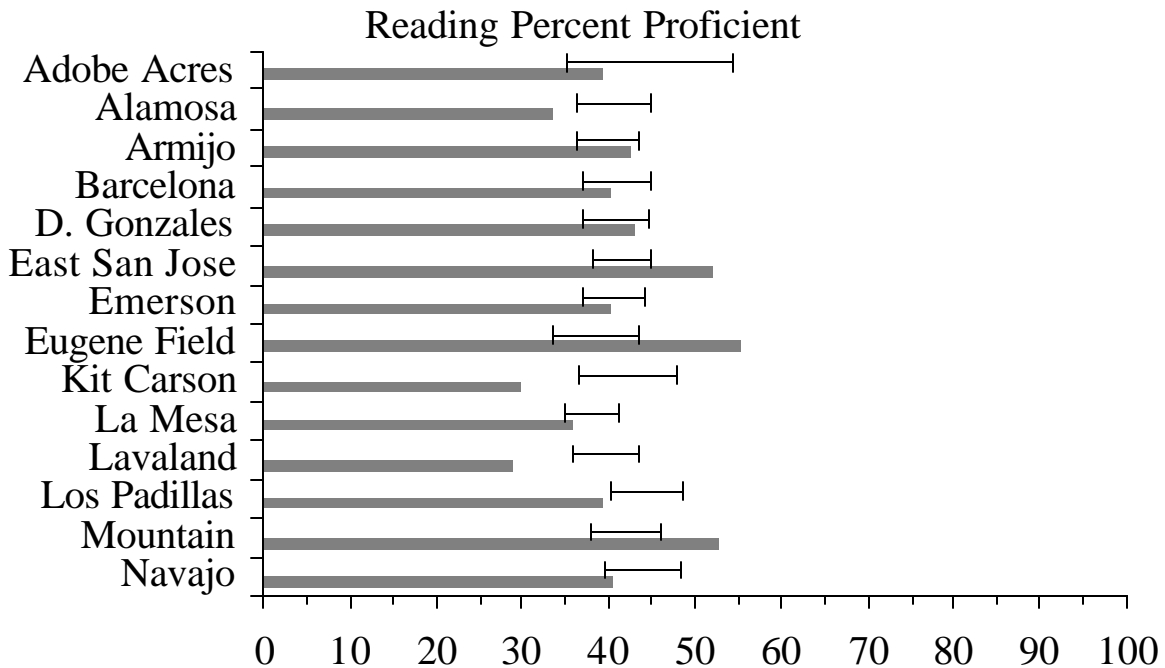
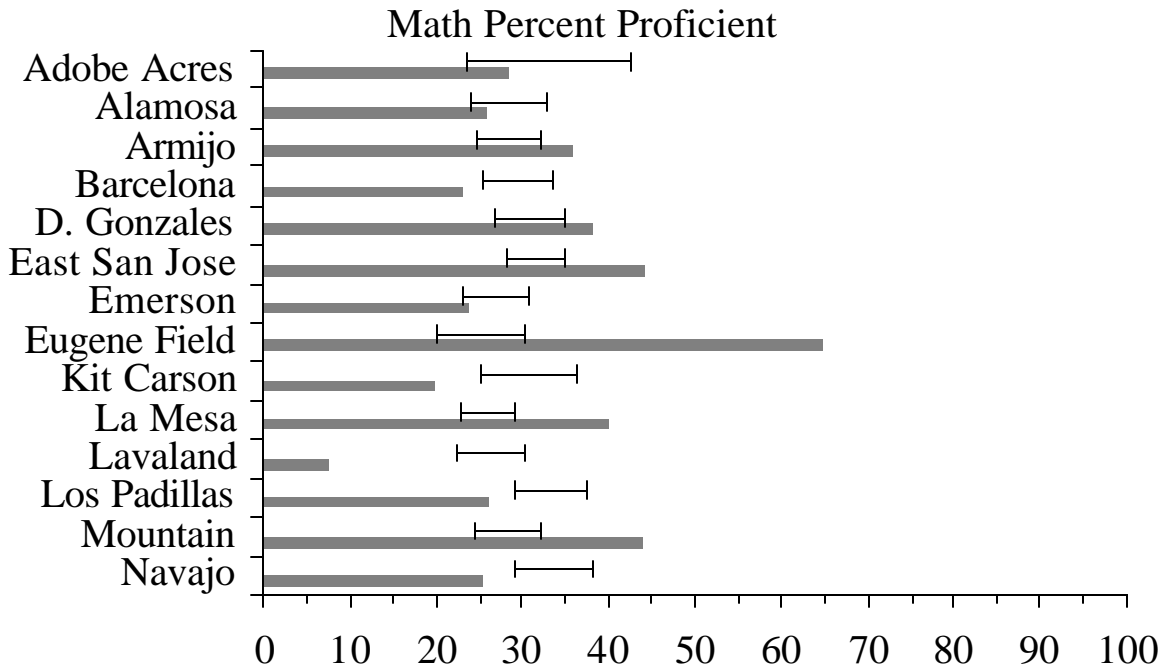
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Comparison of Achieved Percent Proficient and Predicted Achievement Range

Statistical Peers **GROUP 1** Elementary School 2004-05 Standards Based Assessment

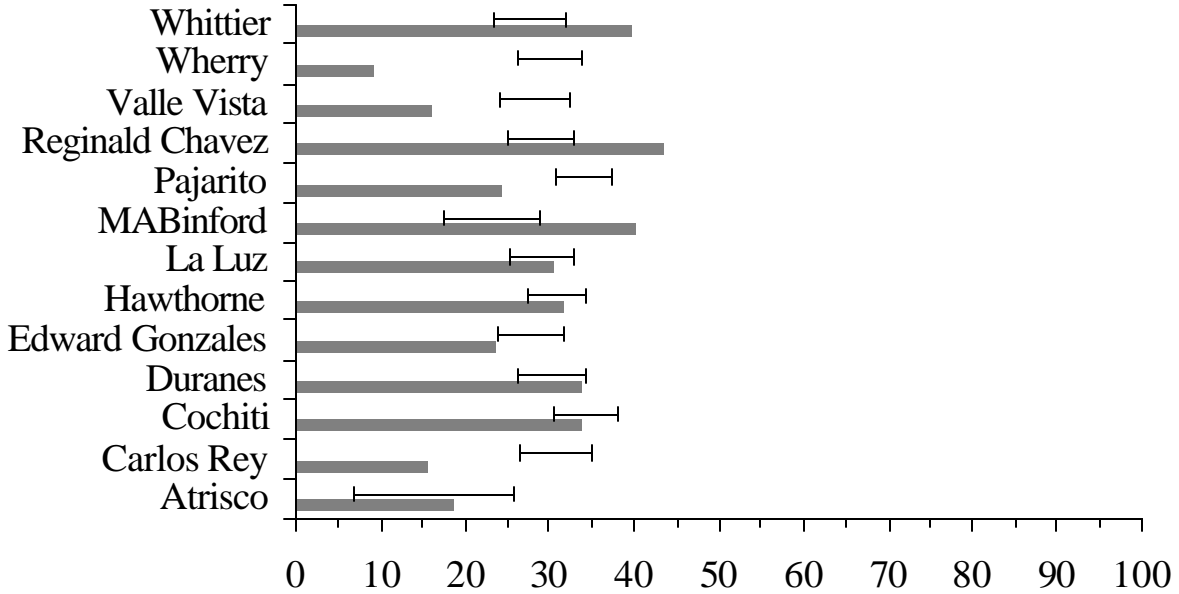


*Solid bars show schools' percent proficient achieved.
Hairlines show predicted achievement range (95% confidence interval).*

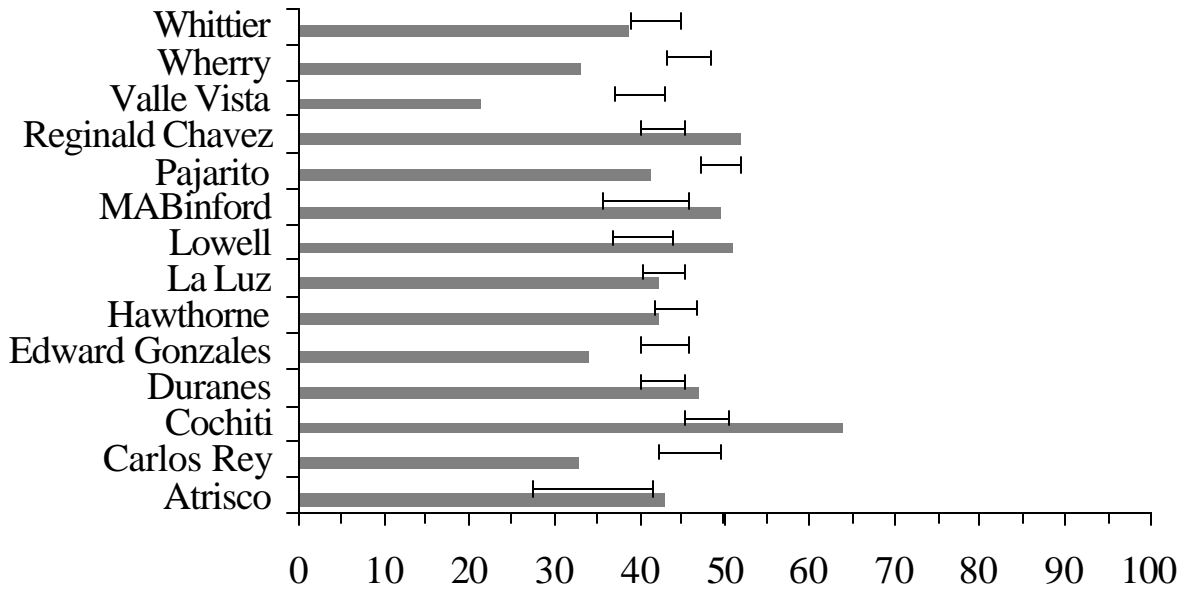
Comparison of Achieved Percent Proficient and Predicted Achievement Range

Statistical Peers GROUP 2 Elementary School 2004-05 Standards Based Assessment

Math Percent Proficient



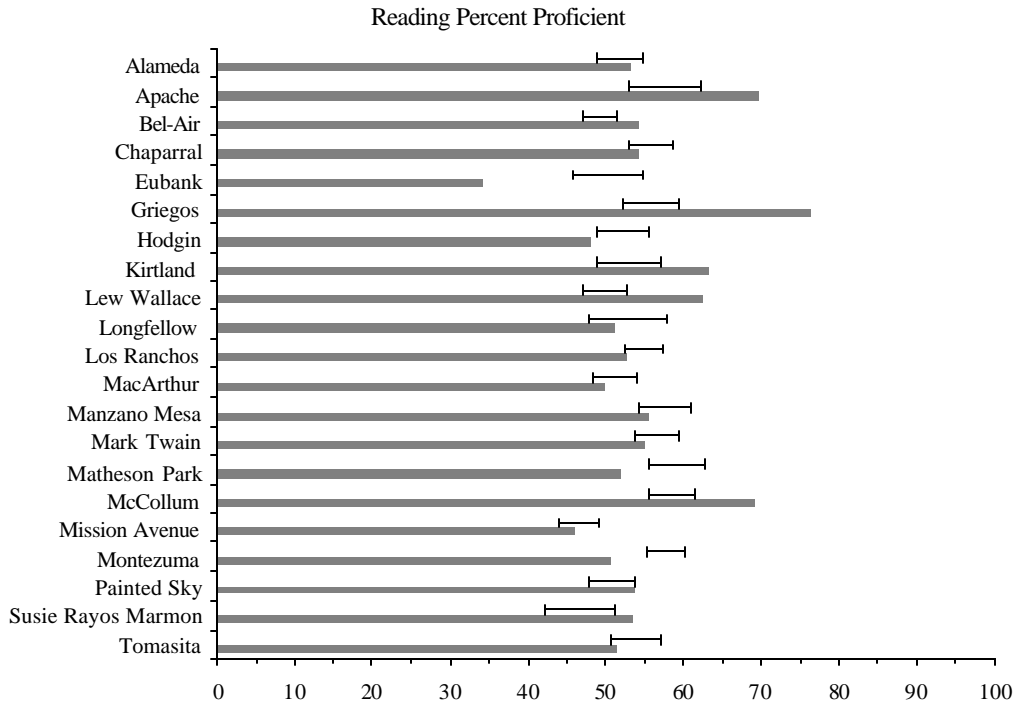
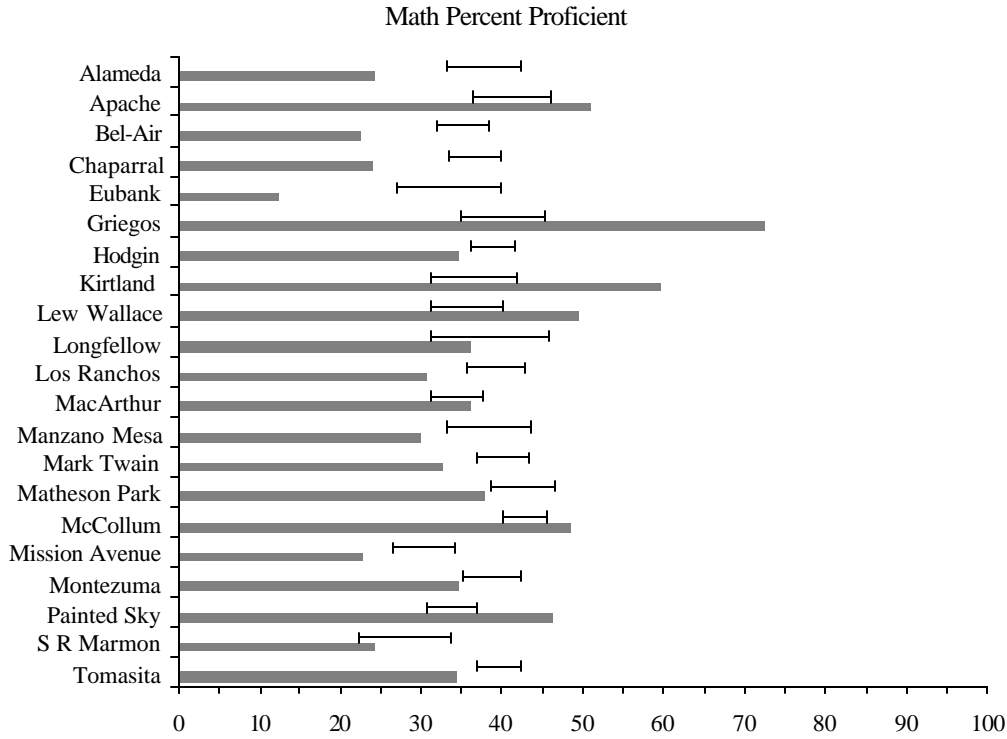
Reading Percent Proficient



*Solid bars show schools' percent proficient achieved.
Hairlines show predicted achievement range (95% confidence interval).*

Comparison of Achieved Percent Proficient and Predicted Achievement Range

Statistical Peers **GROUP 3** Elementary School 2004-05 Standards Based Assessment



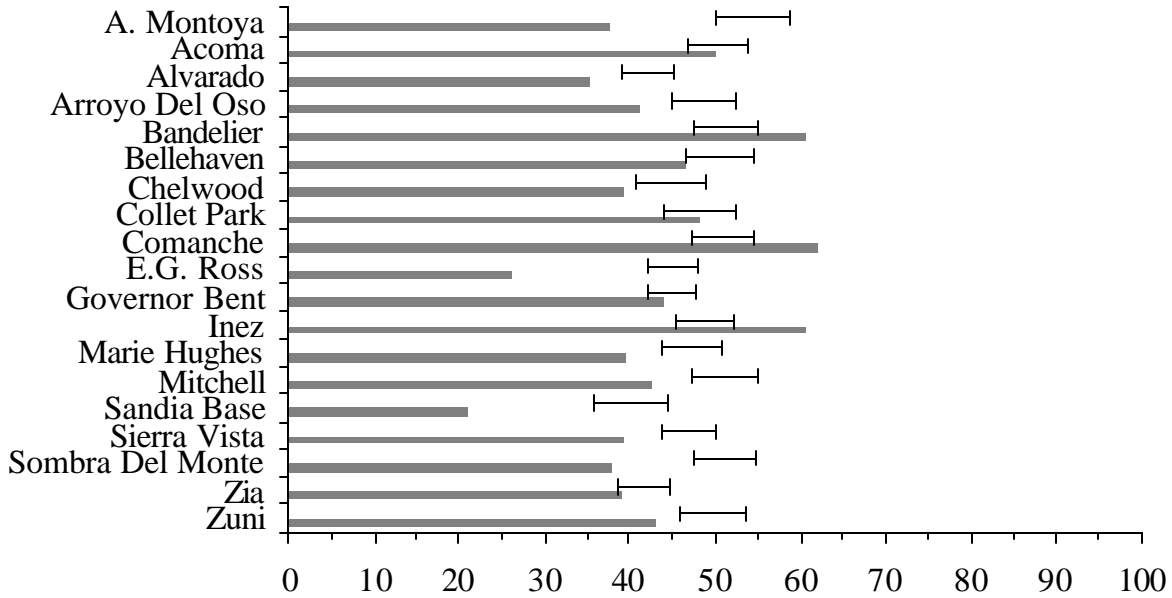
*Solid bars show schools' percent proficient achieved.
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Comparison of Achieved Percent Proficient and Predicted Achievement Range

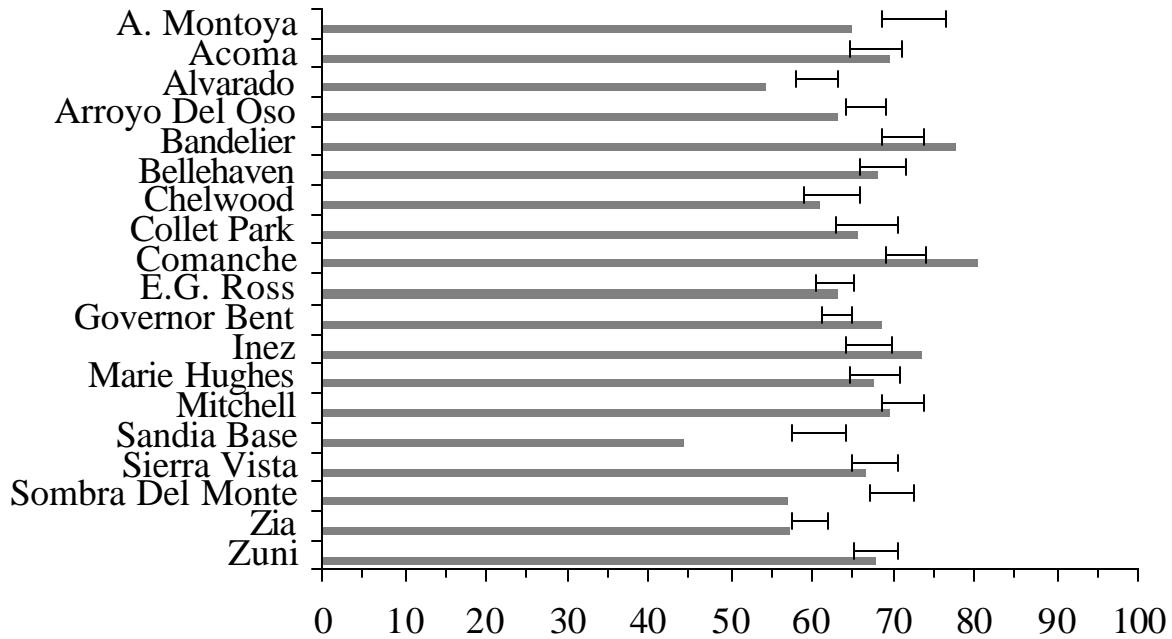
Statistical Peers **GROUP 4** Elementary School 2004-05 Standards Based Assessment



Math Percent Proficient



Reading Percent Proficient



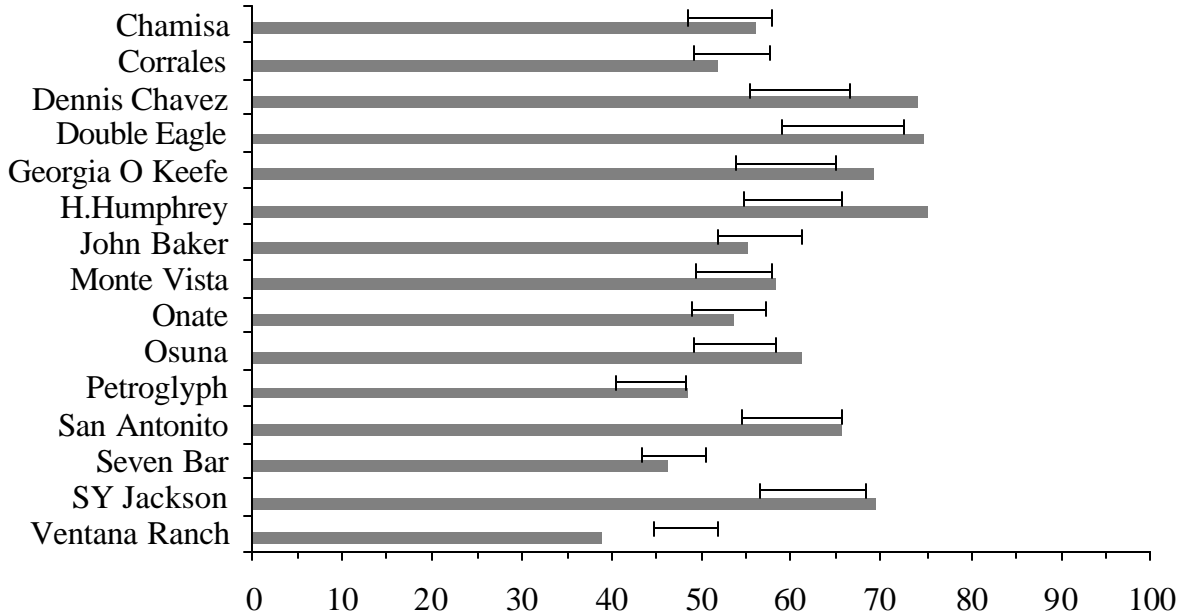
*Solid bars show schools' percent proficient achieved.
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Comparison of Achieved Percent Proficient and Predicted Achievement Range

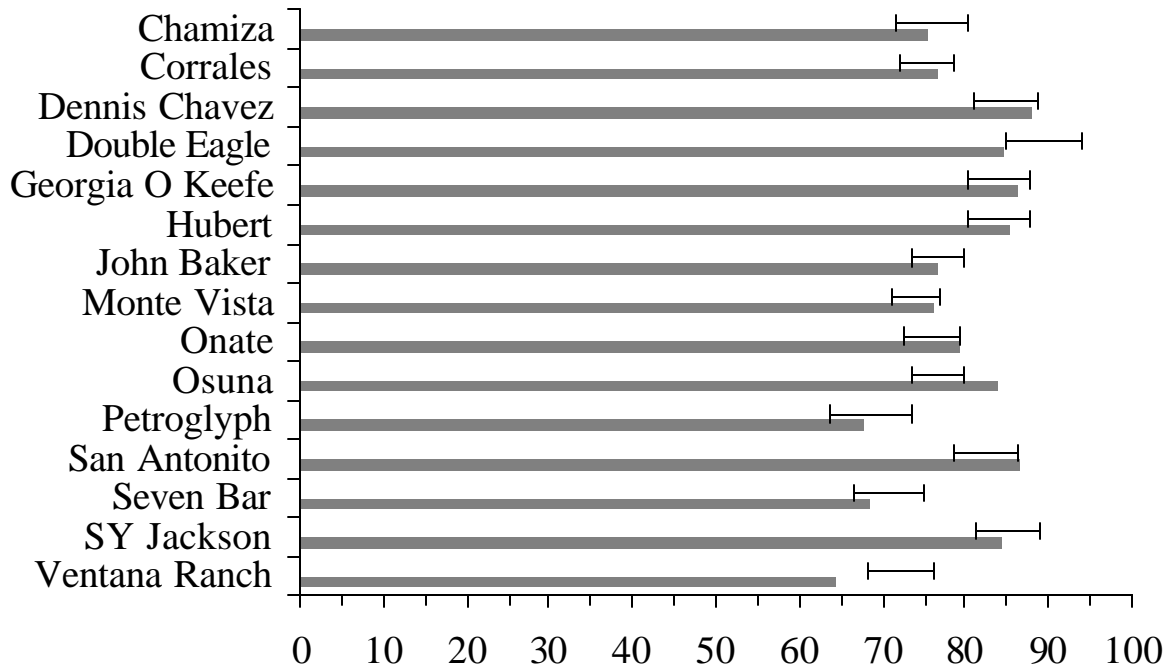
Statistical Peers **GROUP 5** Elementary School 2004-05 Standards Based Assessment



Math Percent Proficient



Reading Percent Proficient



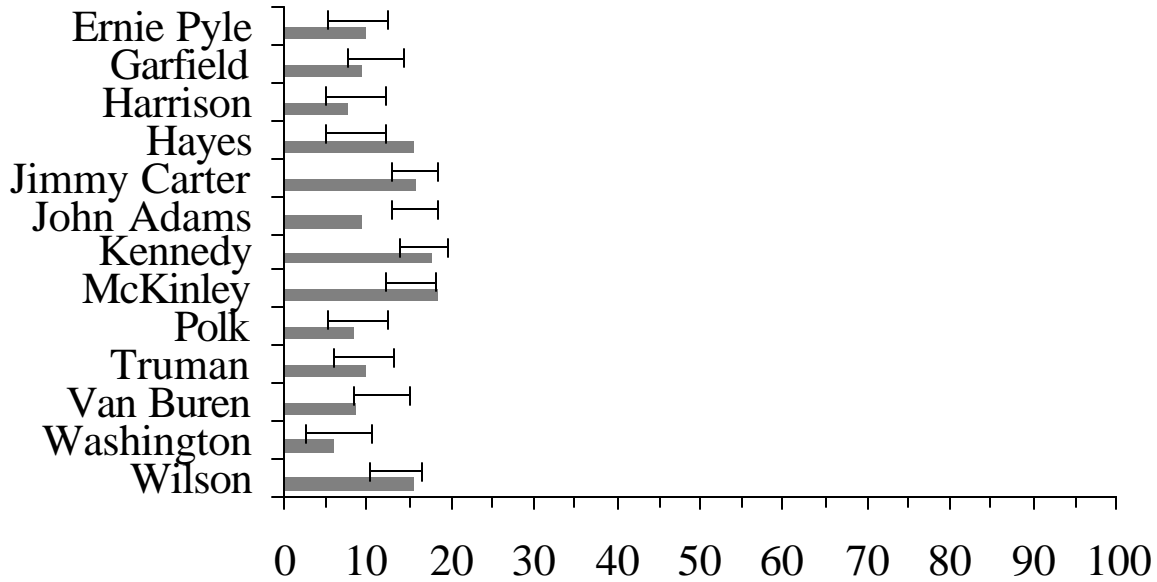
*Solid bars show schools' percent proficient achieved.
Hairlines show predicted achievement range (95% confidence interval).*

Comparison of Achieved Percent Proficient and Predicted Achievement Range

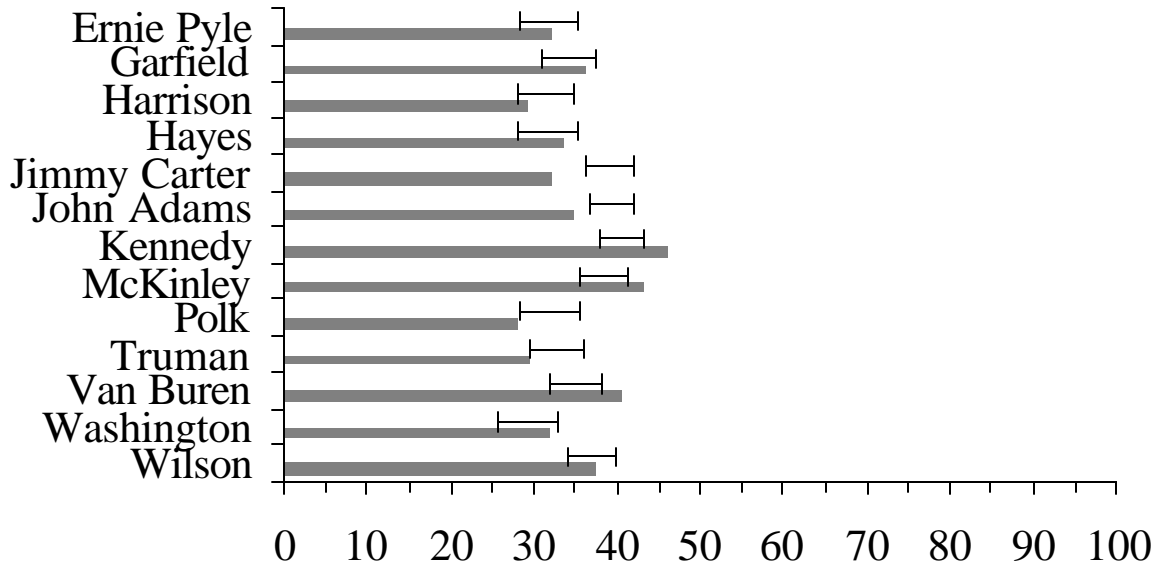
Statistical Peers **GROUP 6** Middle School 2004-05 Standards Base Assessment



Math Percent Proficient



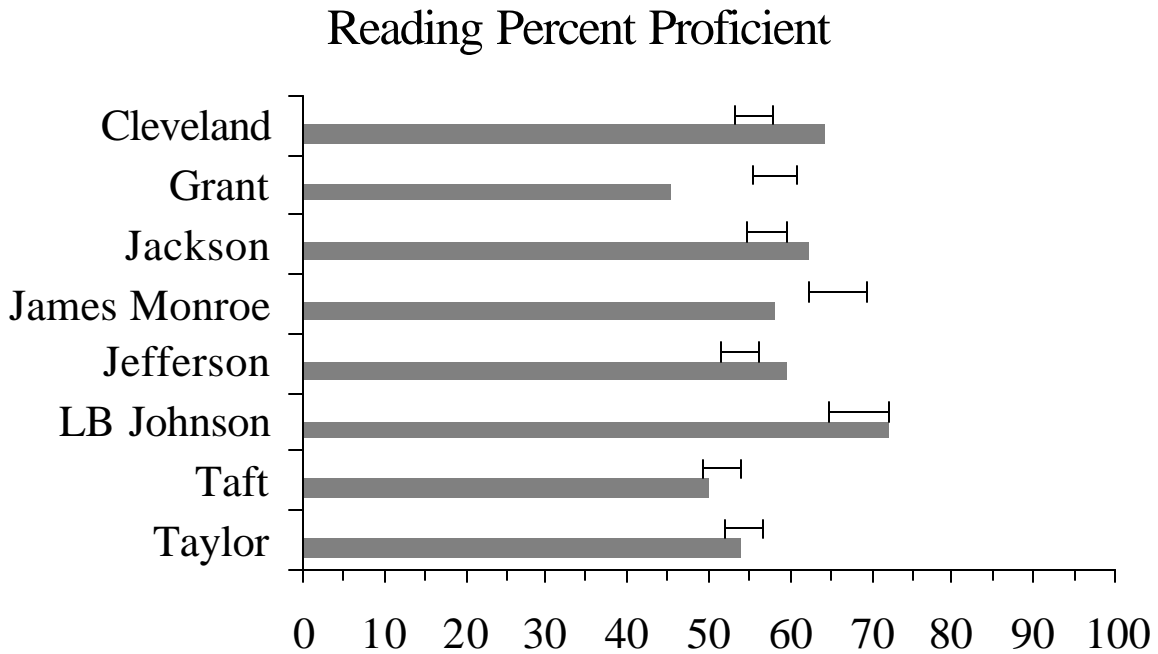
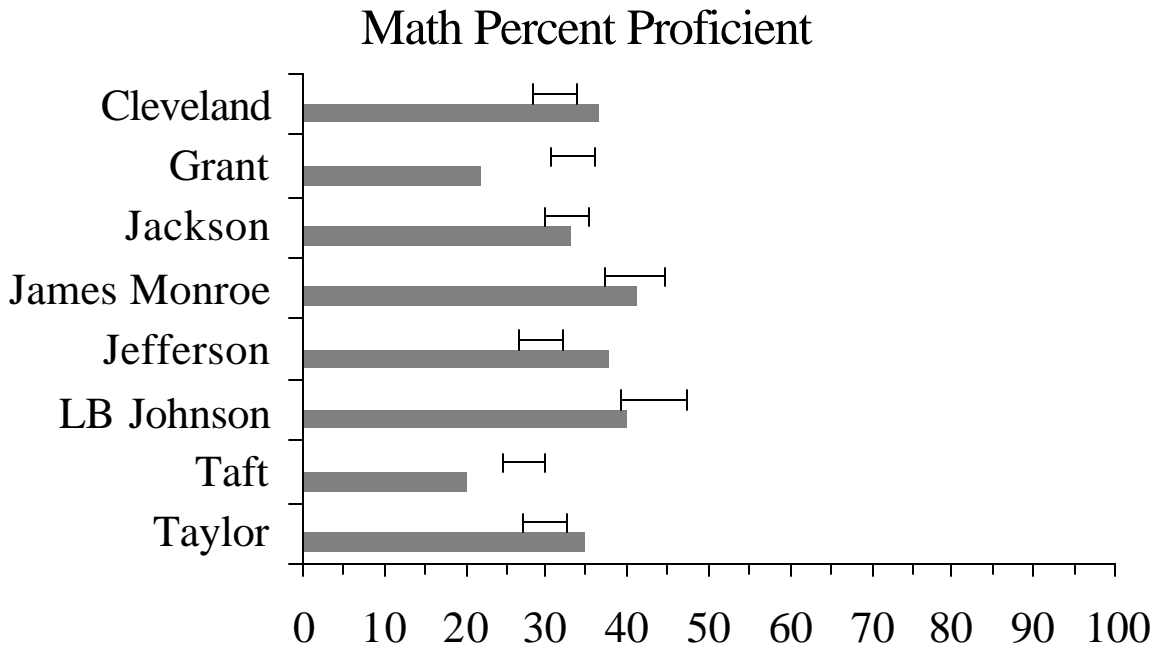
Reading Percent Proficient



*Solid bars show schools' percent proficient achieved.
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Comparison of Achieved Percent Proficient and Predicted Achievement Range

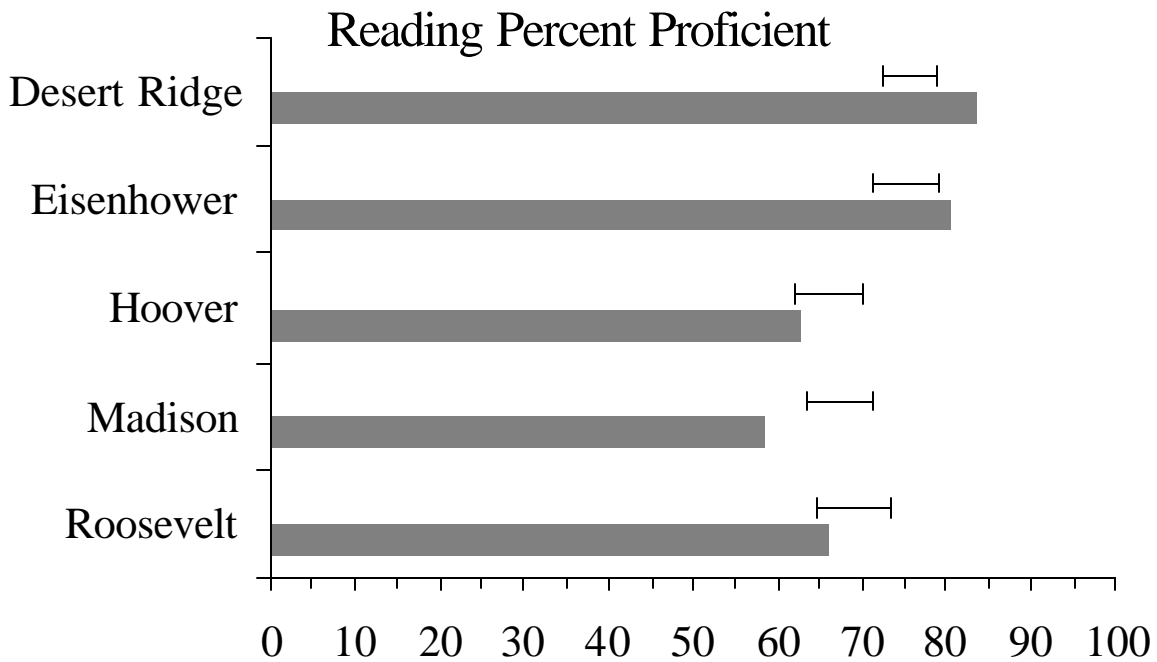
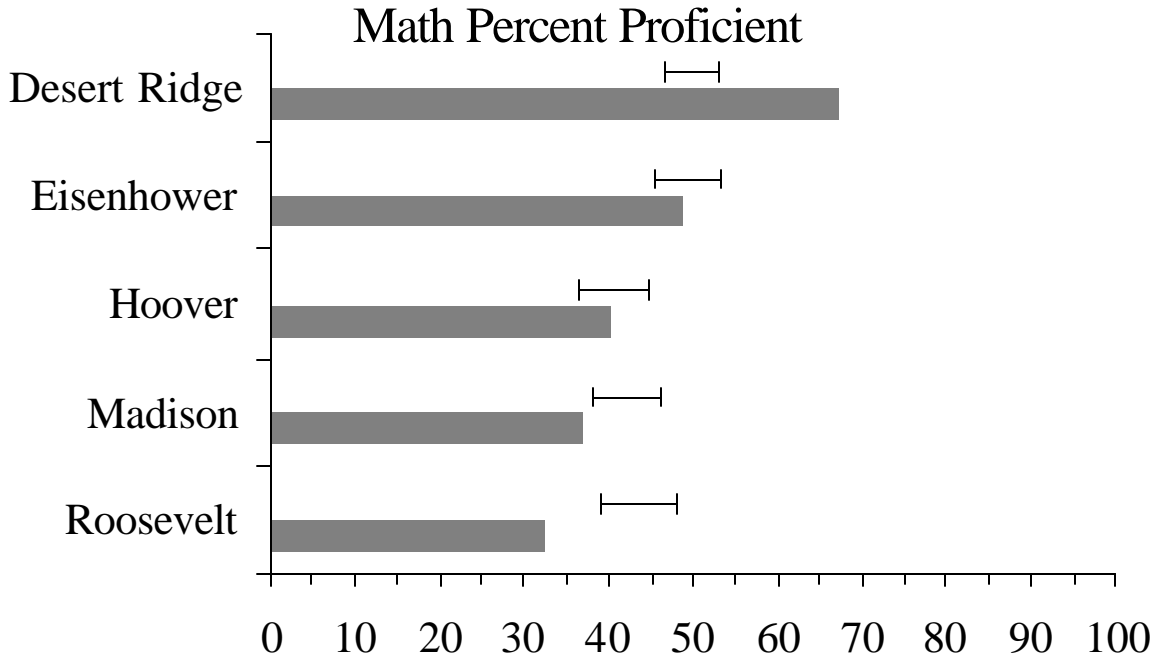
Statistical Peers **GROUP 7** Middle School 2004-05 Standards Based Assessment



*Solid bars show schools' percent proficient achieved.
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Comparison of Achieved Percent Proficient and Predicted Achievement Range

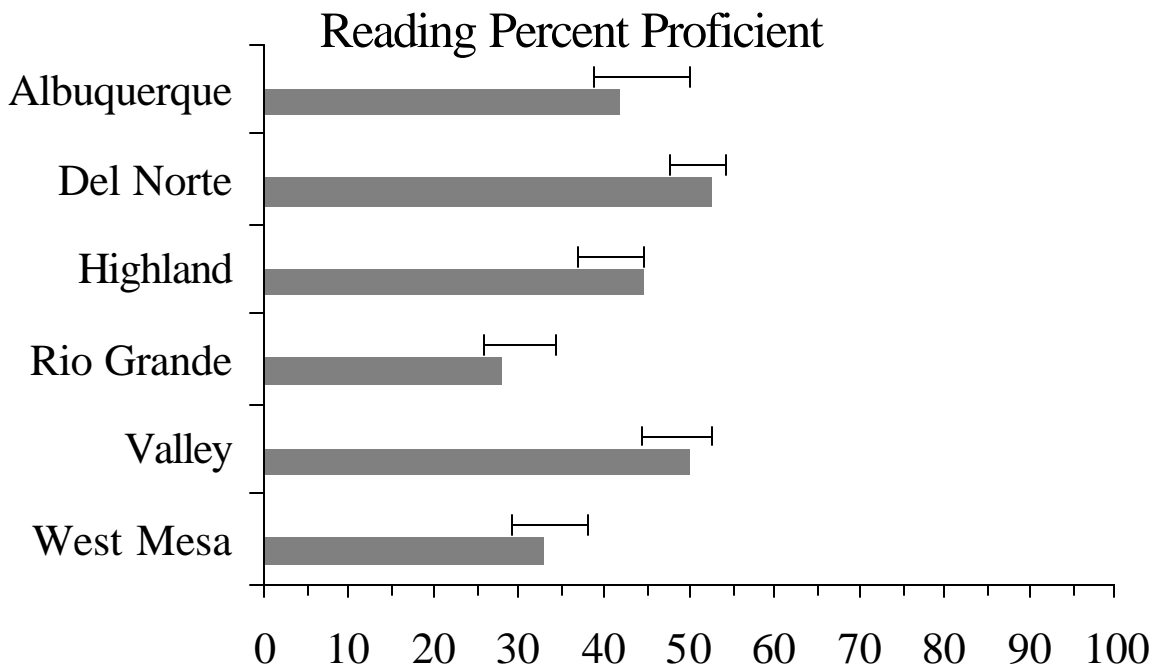
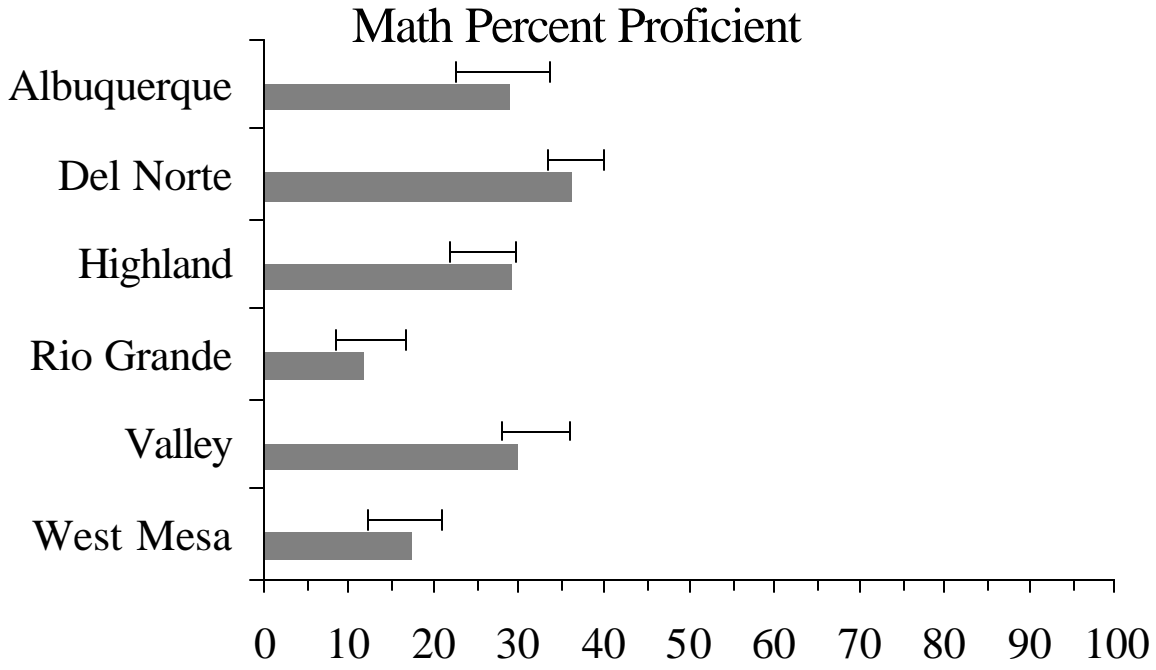
Statistical Peers **GROUP 8** Middle School 2004-05 Standards Based Assessment



*Solid bars show schools' percent proficient achieved.
Hairlines show predicted achievement range (95% confidence interval).*

Comparison of Achieved Percent Proficient and Predicted Achievement Range

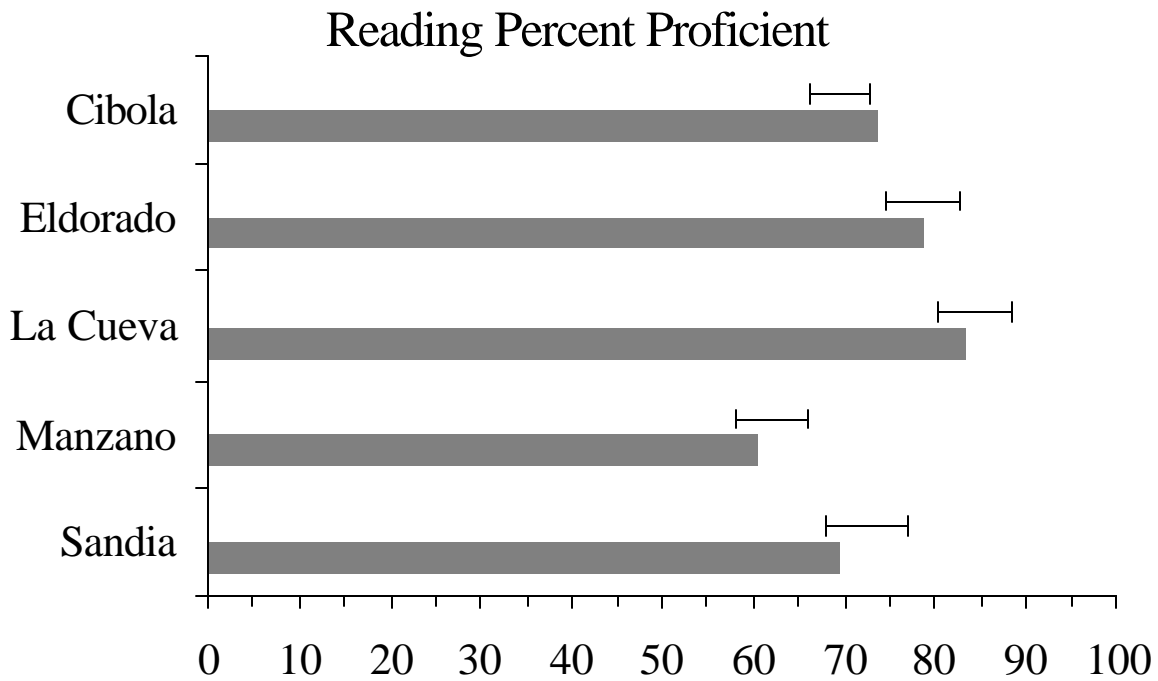
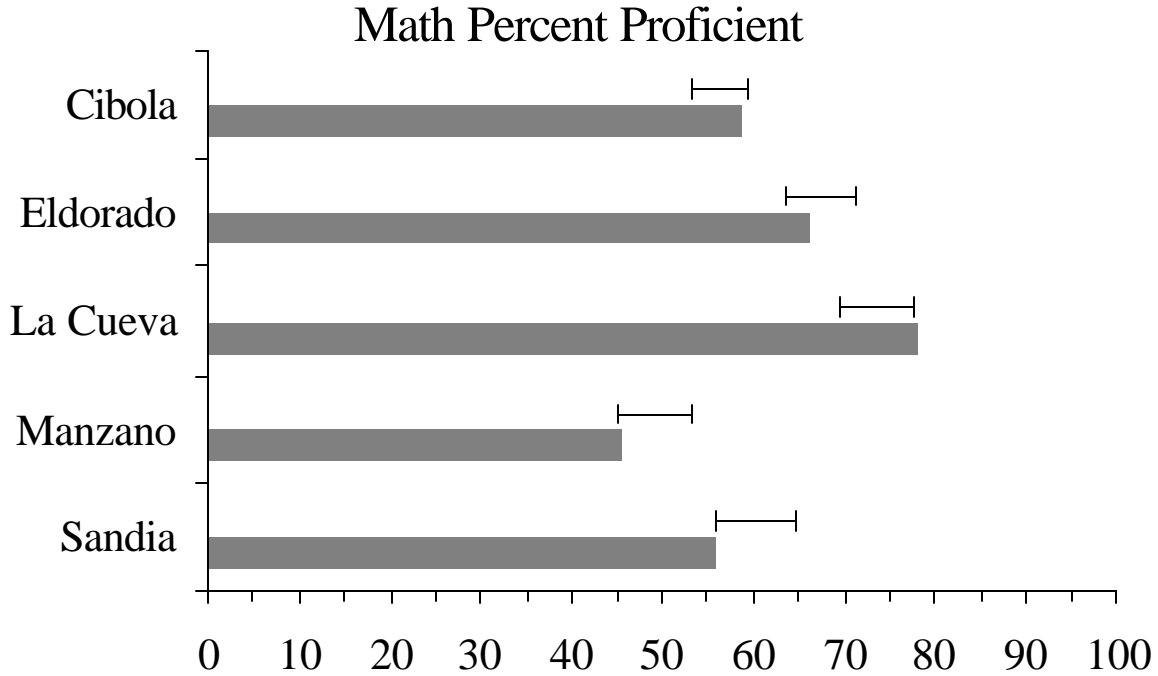
Statistical Peers **GROUP 9** High School 2004-05 Standards Based Assessment



*Solid bars show schools' percent proficient achieved.
Hairlines show predicted achievement range (95% confidence interval).*

Comparison of Achieved Percent Proficient and Predicted Achievement Range

Statistical Peers **GROUP 10** High School 2004-05 Standards Based Assessment



*Solid bars show schools' percent proficient achieved.
Hairlines show predicted achievement range (95% confidence interval).*

