

# **Arkansas Adequacy District Implementation Survey: Initial Results**

Prepared for the  
Senate and House Adequacy  
Study Oversight Committee

March 16, 2006

Lawrence O. Picus and Associates

# **Background**

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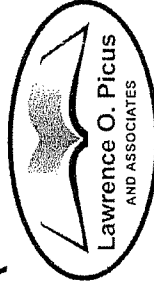
- **Part of the Adequacy Implementation Study conducted by Picus and Associates**
- **Web based survey sent to 262 school districts**
- **Goal is to understand how districts use resources**



## **The Sample**

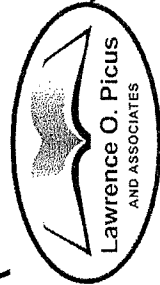
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- **Received 184 responses (70.2%)**
- **356,292 students (~80%)**
- **Average enrollment 1,947**
- **Average state and local revenue \$6,909**
- **Average Federal revenue \$844**
- **Average total revenue \$7,753**



# Summary Data for Sample

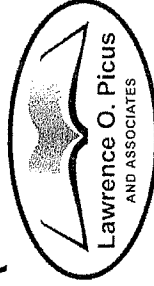
	<b>Enrollment</b>	<b>St. and Local Revenue Per Pupil</b>	<b>Federal Revenue Per Pupil</b>	<b>Total Revenue Per Pupil</b>
<b>Mean</b>	<b>1,947</b>	<b>6,909</b>	<b>844</b>	<b>7,753</b>
<b>Min</b>	<b>201</b>	<b>5,510</b>	<b>12</b>	<b>5,606</b>
<b>Max</b>	<b>25,095</b>	<b>9,034</b>	<b>2,203</b>	<b>10,764</b>



## **Quintiles Used for Analysis**

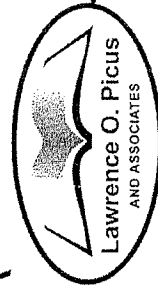
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- **Quintiles of students were used**
  - **Ranked by school district enrollment**
  - **Ranked by state and local revenue per enrolled student**
- **Approximately 71,000 students in each quintile**



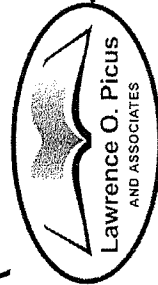
## Q5: Sample District Enrollment Quintiles

	<b>Average Enrollment</b>	<b>Minimum Enrollment</b>	<b>Maximum Enrollment</b>	<b>Dist. Count</b>	<b>Mean St. &amp; Local Rev. Per Pupil</b>
<b>Q1</b>	<b>673</b>	<b>201</b>	<b>1,098</b>	<b>105</b>	<b>6,727</b>
<b>Q2</b>	<b>1,648</b>	<b>1,136</b>	<b>2,491</b>	<b>43</b>	<b>6,664</b>
<b>Q3</b>	<b>3,307</b>	<b>2,156</b>	<b>4,409</b>	<b>21</b>	<b>6,528</b>
<b>Q4</b>	<b>6,807</b>	<b>4,577</b>	<b>9,368</b>	<b>10</b>	<b>6,895</b>
<b>Q5</b>	<b>15,459</b>	<b>10,107</b>	<b>25,095</b>	<b>5</b>	<b>7,652</b>

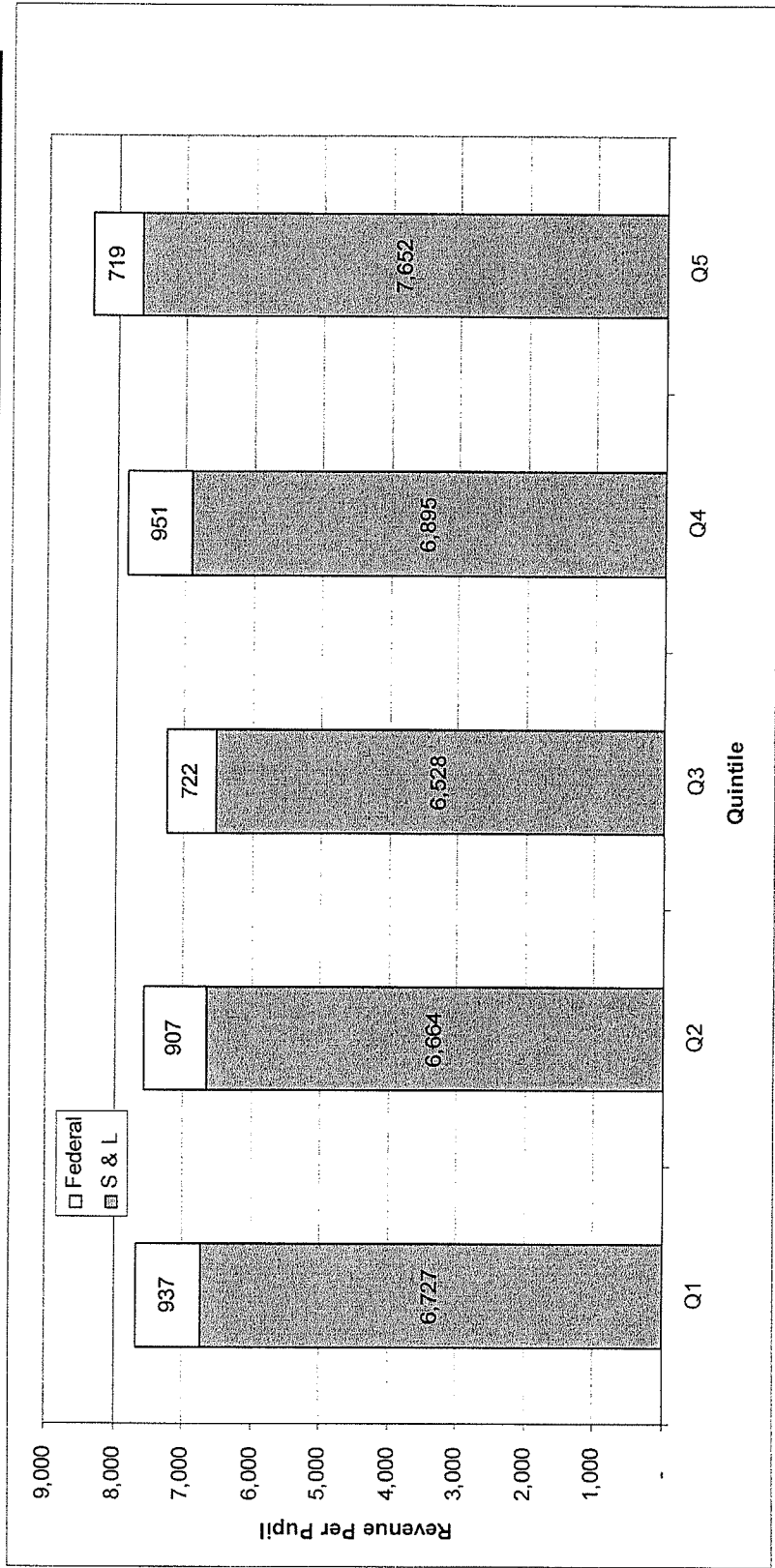


## Q6: Sample District State and Local Revenue Quintiles

	Average \$/pupil	Minimum \$/pupil	Maximum \$/pupil	Dist. Count	Average Enrollment
<b>Q1</b>	6,065	5,510	6,248	47	1,498
<b>Q2</b>	6,424	6,265	6,607	45	1,561
<b>Q3</b>	6,929	6,609	6,928	31	2,373
<b>Q4</b>	7,140	6,975	7,453	33	2,213
<b>Q5</b>	8,201	7,455	9,034	28	2,487



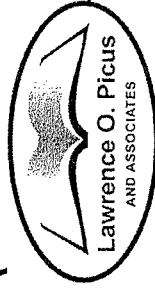
# Q6 & 7: Revenue by Size Quintile



## **Q8: Percent Eligible For Free and Reduced Price Lunch**

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- **Average 56.0%**
- **Minimum 14.9%**
- **Maximum 100%**



## Q8: Percent Free and Reduced Price Lunch by Quintiles

Enrollment Quintiles					
	Q1	Q2	Q3	Q4	Q5
Mean	58.18	56.94	47.68	51.73	49.10
Minimum	14.93	32.56	23.29	24.52	24.50
Maximum	100.00	100.00	81.50	100.00	61.18

Revenue Quintiles					
	Q1	Q2	Q3	Q4	Q5
Mean	48.37	54.13	55.46	61.90	66.06
Minimum	14.93	24.52	23.29	33.42	17.41
Maximum	74.17	73.45	100.00	100.00	100.00



## Q9: Resource Reallocation

- Which of the following Resource allocation choices has your district made since the 2003-04 school year?

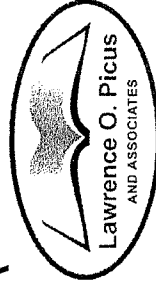
<b>Resource Reallocation Choice</b>	<b>Number</b>	<b>Percent</b>
<b>Changed pupil/teacher staffing ratios (reduced class size)</b>	<b>78</b>	<b>42.2%</b>
<b>Increased the number of days and/or hours students attend school</b>	<b>31</b>	<b>16.8%</b>
<b>Increased teacher salaries</b>	<b>144</b>	<b>78.3%</b>
<b>Increased the number of days teaches are under contract</b>	<b>129</b>	<b>70.1%</b>
<b>Invested substantially in new professional development activities</b>	<b>163</b>	<b>88.6%</b>



## **Q10: Additional Time Strategies**

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- **In the sample districts**
  - **11.94% of the students participate in after school programs**
  - **5.12% attend summer school**
  - **The number of children attending pre-school programs operated by the districts represents an additional 2.09% of the number of students in the sample districts**

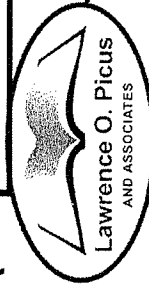


# Q12: Participation in District's Health Insurance Program

- 59.9% of district employees participated in health benefit programs

Enrollment Quintiles					
	Q1	Q2	Q3	Q4	Q5
<b>Mean</b>	57.19	63.03	63.99	59.78	73.00
<b>Minimum</b>	19.00	46.00	50.00	46.00	52.00
<b>Maximum</b>	87.00	90.00	90.00	75.00	90.00

Revenue Quintiles					
	Q1	Q2	Q3	Q4	Q5
<b>Mean</b>	59.10	58.47	61.12	60.24	61.74
<b>Minimum</b>	19.00	46.00	40.00	40.00	37.00
<b>Maximum</b>	90.00	77.00	89.00	90.00	90.00

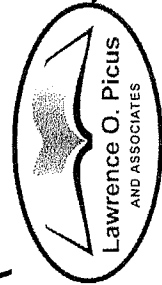


# Q13: Daily Substitute Pay

Substitute Pay	Minimum	Maximum
Average	51.15	72.16
Minimum	40.00	40.00
Maximum	150.00	281.49

Mean Daily Substitute Pay by Enrollment Quintiles					
	Q1	Q2	Q3	Q4	Q5
Minimum	50	52	53	56	58
Maximum	65	73	87	103	85

Mean Substitute Pay by Revenue Quintiles					
	Q1	Q2	Q3	Q4	Q5
Minimum	52	50	52	51	50
Maximum	68	71	73	73	78



**Q14: Annual Sick Days**  
**Q15: Maximum Sick Day Carry Forward**

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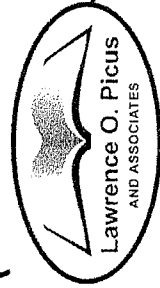
- **The average number of sick days for teacher contracts was 10**
- **Districts allowed teachers to carry forward into future years an average maximum of 102 sick days**
- **These numbers did not vary much by quintile**



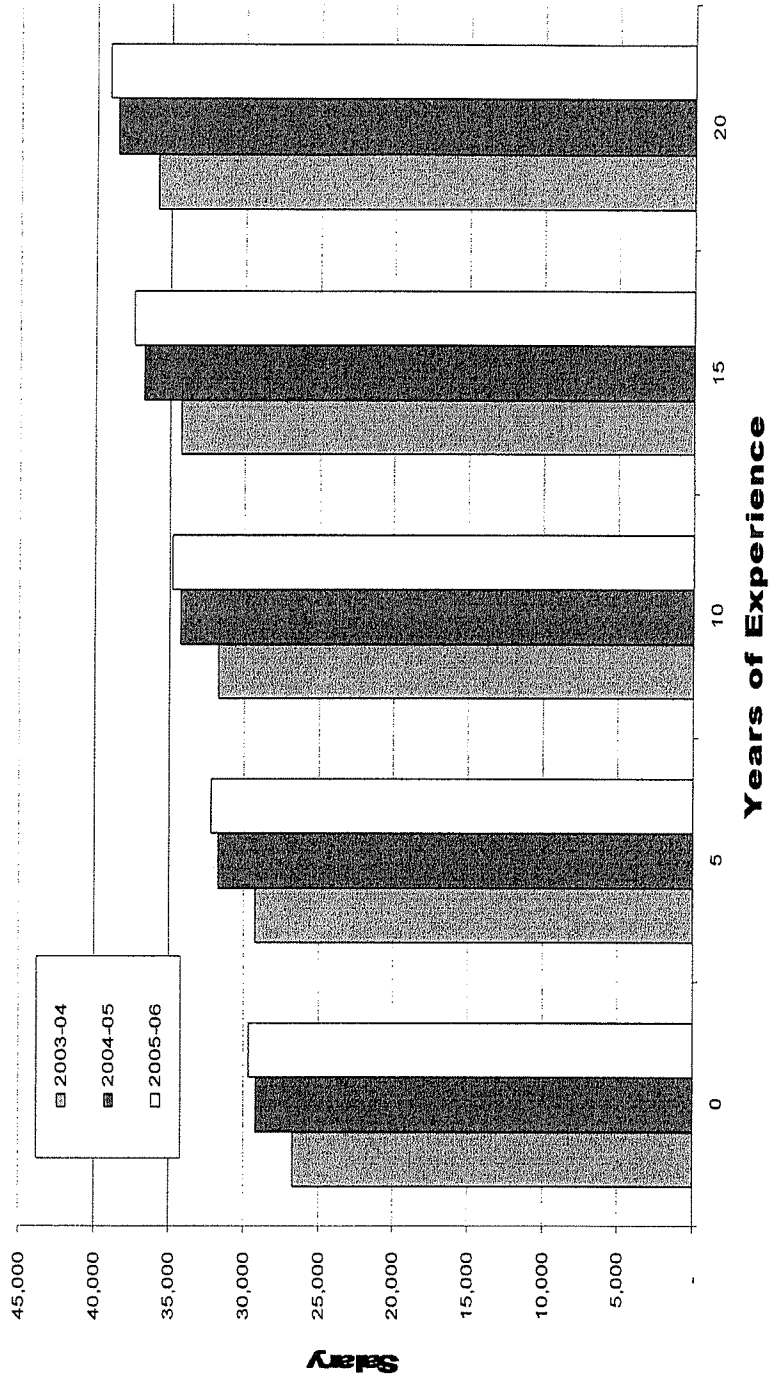
## **Q16-Q19: Staffing Patterns**

- **Number of districts with staffing patterns more restrictive than state standards**

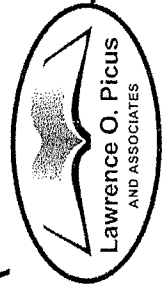
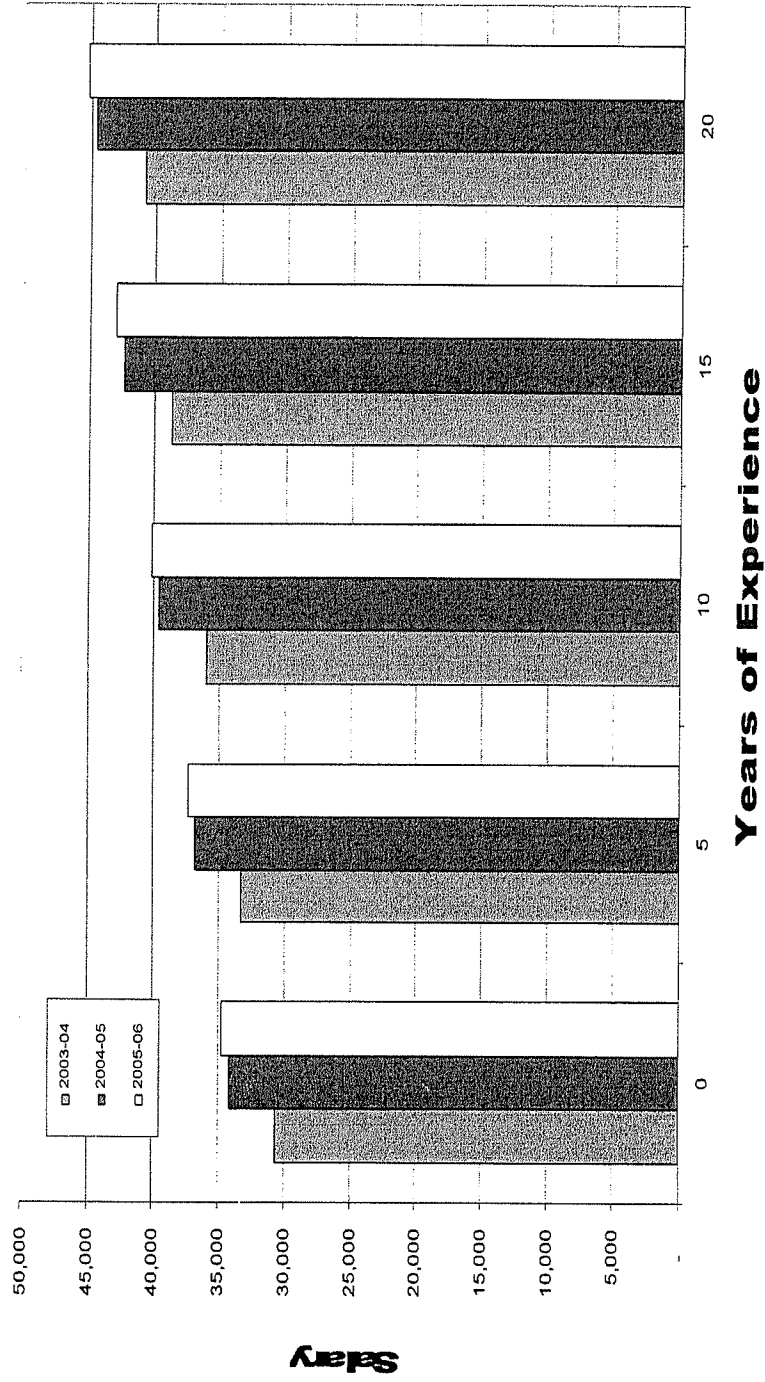
<b>Grade Level</b>	<b>Number</b>	<b>Percent</b>
<b>Kindergarten (1:20 or 1:22 w/aide)</b>	<b>14</b>	<b>7.6%</b>
<b>1-3 (1:25)</b>	<b>14</b>	<b>7.6%</b>
<b>4-6 (1:28)</b>	<b>9</b>	<b>4.9%</b>
<b>7-12 (1:30)</b>	<b>7</b>	<b>3.8%</b>



# Q20: Average Teacher Salary: Bachelors Degree On Contract



# Q20: Average Teacher Salary: Maximum On Contract

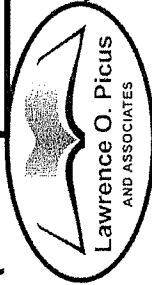


# Q21: Teacher Contracts

- Maximum Number of Years Rewarded
- Average was 21.5
- Maximum was 40

Enrollment Quintiles					
	Q1	Q2	Q3	Q4	Q5
Mean	20	23	25	26	25
Maximum	30	40	35	40	32

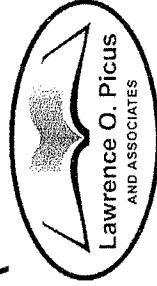
Revenue Quintiles					
	Q1	Q2	Q3	Q4	Q5
Mean	21	22	23	22	20
Maximum	35	32	40	40	30



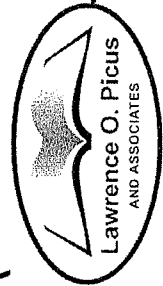
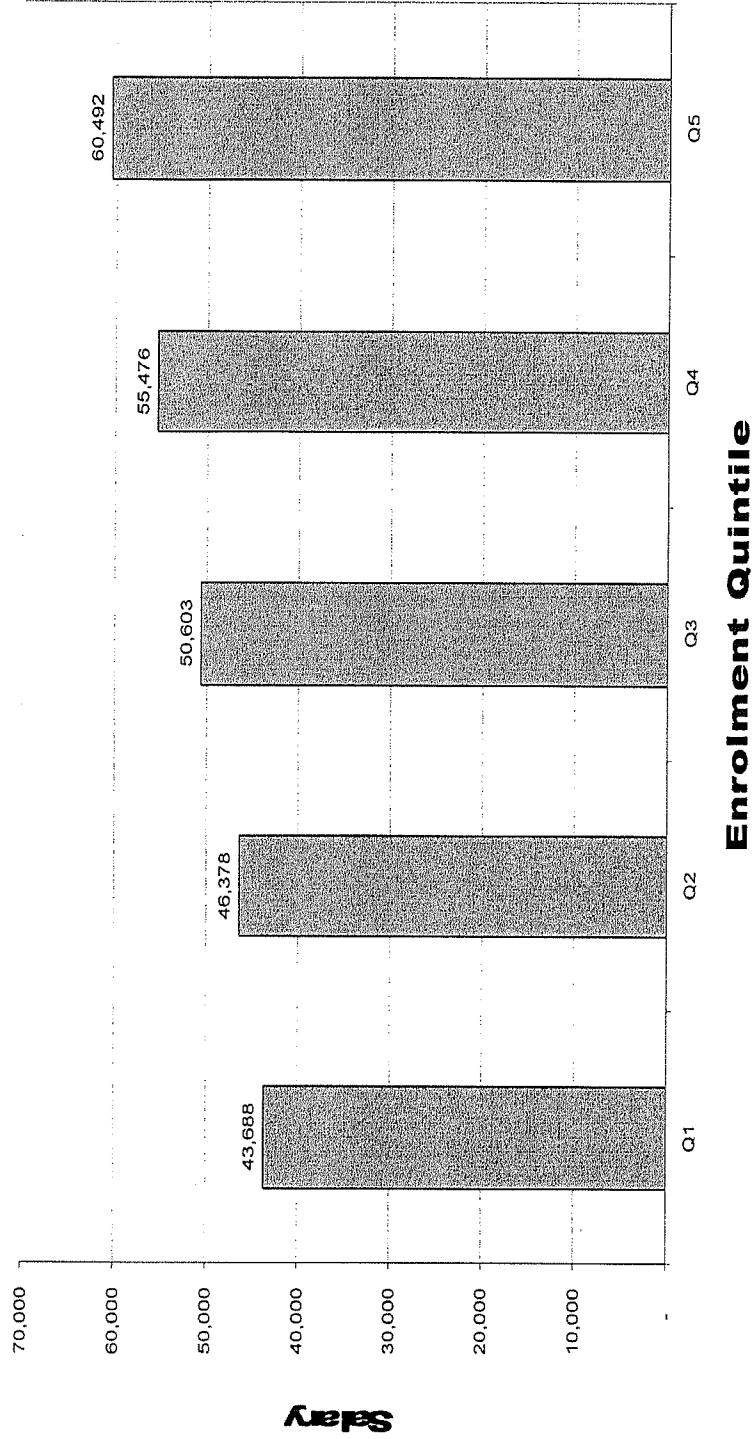
## **Q22: Maximum Salary on Contract 2005-06**

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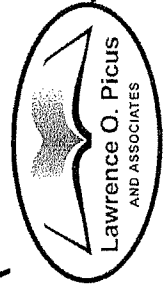
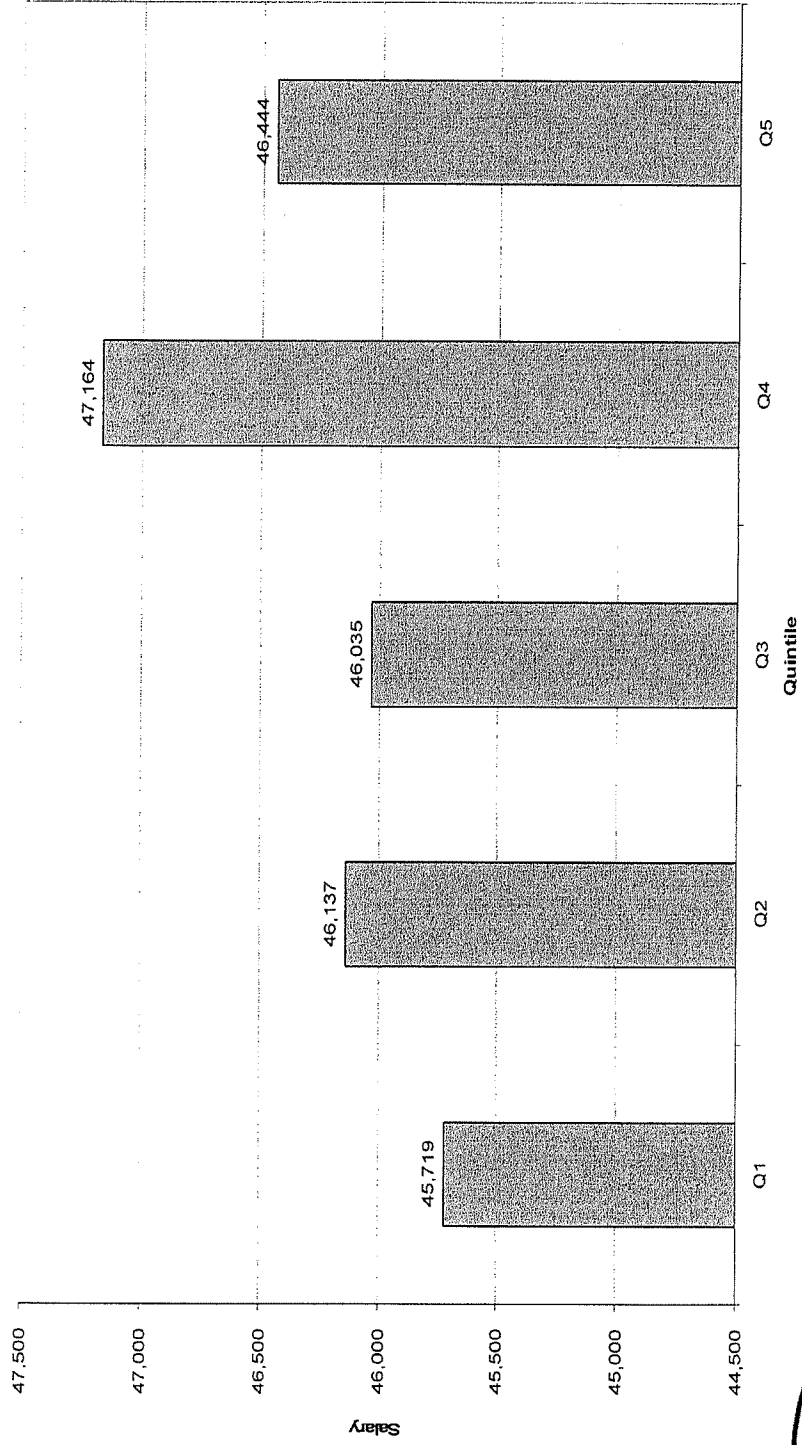
- **Average Maximum Salary on Contracts was \$46,250**
- **Lowest Maximum Salary was \$31,500**
- **Highest Maximum Salary was \$74,925**



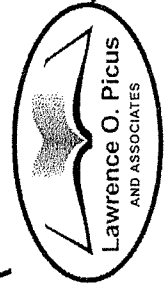
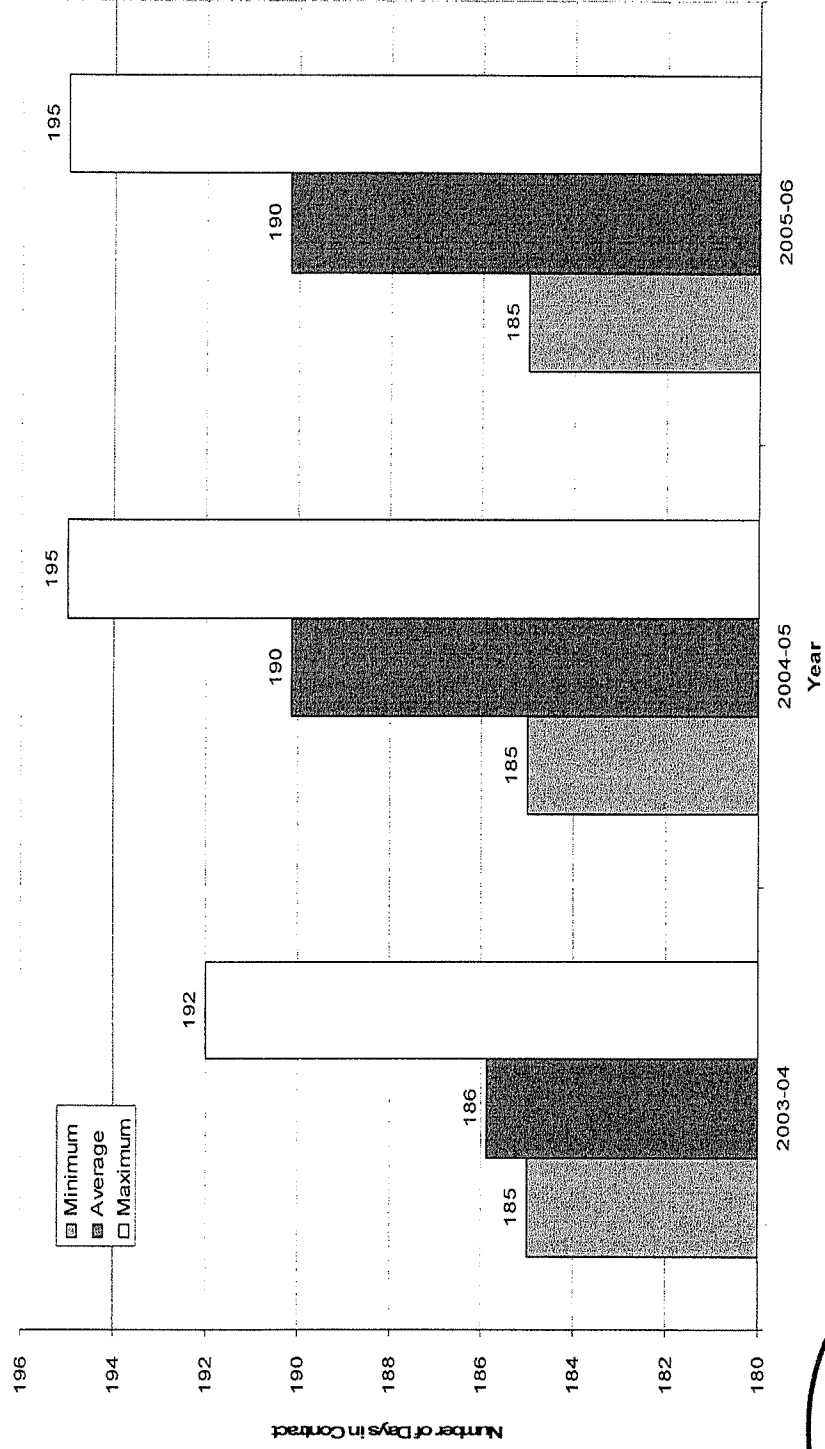
# Q22: Maximum Salary By Enrollment Quintile



# Q22: Maximum Salary by Revenue Quintile



# Q23: Number of Contract Days



## **Q 24: Instructional Facilitators**

- 156 districts (84.6%) reported instructional facilitators

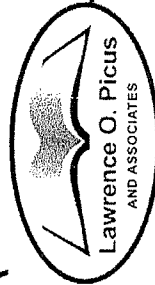
<b>How Allocated</b>	<b>Number</b>	<b>Percent</b>
<b>ADM</b>	<b>11</b>	<b>7.1%</b>
<b>Poverty/NSL Student Count</b>	<b>49</b>	<b>31.4%</b>
<b>Per School</b>	<b>83</b>	<b>53.2%</b>
<b>Per Teacher</b>	<b>13</b>	<b>8.3%</b>
<b>Through Education Cooperatives</b>	<b>50</b>	<b>32.1%</b>
<b>Other</b>	<b>55</b>	<b>35.3%</b>



## **Q25: Certified Teacher Tutors**

- 162 (88.0%) of the districts reported the use of certified teachers serving as tutors

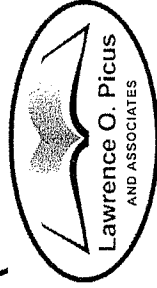
<b>How Allocated</b>	<b>Number</b>	<b>Percent</b>
<b>ADM</b>	<b>9</b>	<b>5.6%</b>
<b>Poverty/NSL Student Count</b>	<b>52</b>	<b>32.1%</b>
<b>Per School</b>	<b>86</b>	<b>53.1%</b>
<b>Per Teacher</b>	<b>11</b>	<b>6.8%</b>
<b>Through Education Cooperatives</b>	<b>8</b>	<b>4.9%</b>
<b>Other</b>	<b>62</b>	<b>38.3%</b>



## **Q 26: Instructional Aides**

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- **Outside of special education 176 (95.6%) of the districts employ instructional aides**
- **There are 82 Federally funded instructional aides in the average district**
- **There are 13 state and locally funded aides in the average district**



## **What Do The Results Tell Us?**

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- **Spending has increased since 2003**
- **Teacher salaries have increased**
- **Teacher contracts average 190 days, up by 4 or 5 days a year**
- **Most districts claim to have instructional facilitators**
- **Most districts say they use teacher tutors**
- **There are still substantial numbers of aides in the system**



## **How to Contact Us**

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**Lawrence O. Picus**

**Lawrence O. Picus and Associates**

**4949 Auckland Ave.**

**North Hollywood, CA 91601**

**818 980-1703 or 1881 (voice)**

**818 980-1624 (fax)**

**[lpicus@usc.edu](mailto:lpicus@usc.edu)**

