



Survival Ratios

The chart below demonstrates the changes in enrollment as students move through the system. Percentages greater than 100 indicate that there are more students than there were in the previous grade the previous year. In other words, there was growth and new students were added to the system. Percentages less than 100 indicate that there was decline or students left the system.

- Birth to Kindergarten: Survival ratio of 52.72% indicates that 47.28% of children born in the City of Alexandria either move out of the ACPS prior to kindergarten or attend a non-public school.
- Grades 8-9: The higher than usual percentage often is a result of school district promotion policies. Often in school districts, students are promoted from 8th to 9th grade and after one year in 9th grade do not have sufficient credits to be classified as a 10th grader and are counted again as 9th graders the following year. There may also be students who are attending private or charter schools or are home schooled through grade 8 and then attend public schools for high school education.

Survival Ratios		
grades	average	standard deviation
birth -> K	52.72%	7.97%
K->1	99.43%	4.93%
1->2	92.10%	2.41%
2->3	93.99%	2.77%
3->4	94.43%	2.84%
4->5	95.50%	2.51%
5->6	97.02%	3.14%
6->7	95.15%	2.50%
7->8	94.31%	1.52%
8->9	102.37%	2.12%
9->10	108.35%	9.71%
10->11	85.28%	6.72%
11->12	84.13%	2.59%

Source: DeJONG



The following table illustrates the survival ratios used in developing the enrollment projections for the Alexandria City Public Schools.

from	to	birth -> K	K->1	1->2	2->3	3->4	4->5	5->6	6->7	7->8	8->9	9->10	10->11	11->12
1996	1997	56.6%	106.1%	93.6%	94.9%	96.6%	99.9%	103.7%	99.4%	96.2%	99.3%	102.9%	90.7%	86.1%
1997	1998	59.4%	102.0%	94.6%	97.1%	98.9%	94.7%	98.6%	92.9%	94.3%	102.7%	108.3%	95.3%	88.7%
1998	1999	66.8%	108.8%	92.3%	95.6%	96.2%	96.9%	100.8%	96.1%	95.0%	102.7%	106.2%	90.5%	81.3%
1999	2000	60.6%	98.6%	87.3%	92.5%	92.6%	97.1%	95.1%	97.7%	96.0%	103.1%	123.8%	81.6%	81.1%
2000	2001	47.8%	97.4%	90.2%	93.8%	96.8%	95.7%	95.3%	97.0%	93.4%	101.7%	124.1%	72.7%	84.3%
2001	2002	46.9%	96.9%	90.6%	93.3%	92.5%	93.4%	95.5%	93.3%	93.8%	105.5%	109.5%	80.0%	86.8%
2002	2003	48.8%	95.8%	93.0%	90.9%	93.6%	95.6%	94.9%	94.9%	95.9%	98.6%	107.4%	82.5%	80.7%
2003	2004	46.6%	96.7%	95.7%	98.6%	94.0%	96.0%	95.9%	94.2%	91.9%	104.6%	101.1%	83.0%	84.0%
2004	2005	40.9%	92.5%	91.6%	89.3%	88.8%	90.3%	93.5%	91.0%	92.2%	103.1%	91.9%	91.2%	84.2%
	average	52.72%	99.434%	92.10%	94.0%	94.43%	95.5%	97.0%	95.2%	94.3%	102.367%	108.353%	85.279%	84.131%
	standard deviation	7.967%	4.932%	2.413%	2.772%	2.838%	2.506%	3.136%	2.500%	1.516%	2.116%	9.713%	6.718%	2.591%

