

Arlington Public Schools Enrollment Projections
Accuracy and Error Rate Analysis, October 14, 2015

School Year	Official Count on September 30th	Historical Enrollment Projections											
		One Year Before (Fall Projection)			Two Years Before (Fall Projection)			Four Years Before (Fall Projection)			Five Years Before (Fall Projection)		
		Projection	Accuracy %	Error %	Projection	Accuracy %	Error %	Projection	Accuracy %	Error %	Projection	Accuracy %	Error %
2005-06	18,411	18,237	99.05%	-0.95%	18,817	102.21%	+2.21%	DNA	DNA	DNA	DNA	DNA	DNA
2006-07	18,451	18,231	98.81%	-1.19%	17,897	97.00%	-3.00%	DNA	DNA	DNA	DNA	DNA	DNA
2007-08	18,684	18,380	98.37%	-1.63%	17,906	95.84%	-4.16%	18,479	98.90%	-1.10%	DNA	DNA	DNA
2008-09	19,534	18,868	96.59%	-3.41%	18,268	93.52%	-6.48%	17,259	88.35%	-11.65%	18,326	93.82%	-6.18%
2009-10	20,233	20,084	99.26%	-0.74%	19,029	94.05%	-5.95%	17,301	85.51%	-14.49%	16,945	83.75%	-16.25%
2010-11	21,241	20,933	98.55%	-1.45%	20,650	97.22%	-2.78%	18,324	86.27%	-13.73%	17,002	80.04%	-19.96%
2011-12	21,841	22,201	101.65%	+1.65%	21,657	99.16%	-0.84%	19,318	88.45%	-11.55%	18,358	84.05%	-15.95%
2012-13	22,613	22,681	100.30%	+0.30%	23,051	101.94%	+1.94%	21,859	96.67%	-3.33%	19,464	86.07%	-13.93%
2013-14	23,316	23,586	101.16%	+1.16%	23,591	101.18%	+1.18%	23,074	98.96%	-1.04%	22,485	96.44%	-3.56%
2014-15	24,529	24,153	98.47%	-1.53%	24,402	99.48%	-0.52%	25,006	101.94%	+1.94%	23,838	97.18%	-2.82%
2015-16	25,238	25,649	101.63%	+1.63%	24,946	98.84%	-1.16%	25,213	99.90%	-0.10%	25,867	102.49%	+2.49%
Mean Absolute Percentage Error				1.42%			2.75%			6.55%			10.14%

Note:

1. "DNA" = Projection data not available.
2. Accuracy above 100% indicates the projection is an over-forecast; conversely an accuracy less than 100% indicates an under-forecast of the September 30th official count.
3. A positive (+) error percentage indicates an over-forecast; conversely a negative (-) error percentage indicates an under-forecast of the September 30th official count.
4. A +/- 2% annual range of error is an accepted standard for fast growing school districts like Arlington Public Schools.