### Enrollment Forecasting

#### Predicting and Influencing Factors

<table>
<thead>
<tr>
<th>Births</th>
<th>Kindergarten Capture</th>
<th>Cohort Survival (P7)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Birth Rate (P3):</strong> Age</td>
<td><strong>In-migration (P4):</strong> Jobs in region (P2)</td>
<td><strong>In-migration (P4):</strong> Jobs in region (P2)</td>
</tr>
<tr>
<td>Race and Ethnicity</td>
<td>Available housing for household needs (P6, P8)</td>
<td>Available housing for household needs (P6, P8)</td>
</tr>
<tr>
<td>Income</td>
<td>Housing price or rent (P1)</td>
<td>Housing price or rent (P1)</td>
</tr>
<tr>
<td>Educational attainment</td>
<td>Interest rates (P1)</td>
<td>Interest rates (P1)</td>
</tr>
<tr>
<td>Marital status</td>
<td>Available financing (P1)</td>
<td>Available financing (P1)</td>
</tr>
<tr>
<td>Women of childbearing age (P3)</td>
<td>School reputation (I2)</td>
<td>School reputation (I2)</td>
</tr>
<tr>
<td></td>
<td>School programs (I3, I4)</td>
<td>School programs (I3, I4)</td>
</tr>
<tr>
<td></td>
<td>Transportation choices and costs (P4)</td>
<td>Transportation choices and costs (P4)</td>
</tr>
</tbody>
</table>

#### Notes:

1. Census American Community Survey out-migration statistics do not include migration out of the U.S. Census migration data for Alexandria shows substantial net in-migration year-to-year for both school-age and 0-4 age groups. Population by age data shows substantially lower population year-to-year for each year of age through age 14. These two findings are not consistent. Foreign-born population (which is only a part of international migration) is relatively constant. Because current population age distribution data is probably the most reliable of these statistics, it is likely that reported migration data includes an inherent bias either toward overestimating in-migration or underestimating out-migration, or both, at least in these age groups.

2. Census data on private school attendance has been adjusted to eliminate Episcopal High School resident students when calculating private school share of students from Alexandria households.

#### 2007:
- **2,284 verified Alexandria births for 2012 kindergarten**

2012:
- **1,516 kindergarten enrollments = 66.4% of 2007 births**

2012 average:
- 0.98 Elementary
- 0.96 Secondary
- 1.03 High School

Census1:
- **Average in-migration age 1-4: 15% / year 2006-2011**
- **2012: 1,516 kindergarten enrollments = 66.4% of 2007 births**

Census1:
- Average out-migration age 5-17: 9% / year 2006-2011

From private school, home schooling (P5):
- 2012 average: 0.98 Elementary
- 0.96 Secondary
- 1.03 High School

Census1:
- **Average out-migration age 1-4: 11.6% / year 2007-2011**

Census2:
- Private school about 12.5% of K-12 school attendance by students in Alexandria households.

Census3:
- Private school about 12.5% of K-12 school attendance by students in Alexandria households.