Wisconsin’s Public School Enrollment

Past, Present, & Future

Presentation to the
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Applied Population Laboratory

- Research and outreach professionals at UW-Madison
- Custom projects examining population in places
  - Experts in GIS, Data Provision, Community Studies, & Demographic Methods
- Data providers
  - State Data Center for US Census Bureau
  - UW-Extension
- Small area population estimates and projections
  - School Enrollment Projections

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Wisconsin’s Public School Enrollment: Past, Present, Future
Wisconsin’s Public School Enrollment

Questions:
- How widespread is enrollment decline?
- Will the decline continue?

Agenda:
- Enrollment trends in State of Wisconsin
- Broader demographic trends
- Enrollment projections

Wisconsin’s Public School Enrollment: Past, Present, Future
Wisconsin's Public School Enrollment: Past, Present, Future

Public School Enrollment, 1994-2006
by Grade Grouping

Enrollment

Kindergarten Replacement, 1995 - 2006
State of Wisconsin

Wisconsin’s Public School Enrollment: Past, Present, Future
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Wisconsin’s Public School Enrollment: Past, Present, Future

- Statewide, enrollment declined by 1.4% (11,809 students)
- 69% of districts declined
- 118 districts (28%) declined by 10% or more
- Last year, state declined by 1,077 students, and 61% of districts experienced decline
Wisconsin’s Public School Enrollment: Past, Present, Future

- **Most decline (%):**
  - Weyerhaeuser Area (34%)
  - Florence (32%)
  - Glidden (29%)

- **Most growth (%):**
  - Northern Ozaukee (81%)
  - Swallow (41%)
  - Somerset (28%)
  - Saint Croix Central (28%)

- **Most decline (#):**
  - Milwaukee (-8,227)
  - Eau Claire (-579)
  - La Crosse (-532)

- **Most growth (#):**
  - Kenosha (1,816)
  - Sun Prairie (1,003)
  - Hudson (919)
  - Kimberly Area (819)
  - Oak Creek-Franklin (812)
Wisconsin’s Public School Enrollment: Past, Present, Future
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Wisconsin’s Public School Enrollment: Past, Present, Future
K-12 Public School Enrollment, 2000-2006: Non-Hispanic White Students

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Wisconsin’s Public School Enrollment: Past, Present, Future
Factors that Influence Enrollment

- Private school enrollment
- Home-based Education
- Open enrollment
- Demographics
Wisconsin’s Public School Enrollment: Past, Present, Future

Private School Enrollment, 1987-2006

[Graph showing the enrollment of private schools from 1987 to 2006 with a decline trend.]
Private School Students
Age Structure, Fall 2006

Number of Students Enrolled

K 1 2 3 4 5 6 7 8 9 10 11 12

Males

Females

Wisconsin’s Public School Enrollment: Past, Present, Future
Wisconsin’s Public School Enrollment: Past, Present, Future
Proportion of Total 1st through 12th Grade Students by Type of School, 1995-2006

<table>
<thead>
<tr>
<th>Year</th>
<th>Public</th>
<th>Special</th>
<th>Private</th>
<th>Home</th>
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<tr>
<td>1995</td>
<td>76.4%</td>
<td>14.4%</td>
<td>7.8%</td>
<td>1.4%</td>
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<tr>
<td>1996</td>
<td>76.3%</td>
<td>14.6%</td>
<td>7.8%</td>
<td>1.4%</td>
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<td>1997</td>
<td>76.5%</td>
<td>14.1%</td>
<td>7.7%</td>
<td>1.4%</td>
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<td>1998</td>
<td>76.6%</td>
<td>14.1%</td>
<td>7.6%</td>
<td>1.4%</td>
</tr>
<tr>
<td>1999</td>
<td>76.3%</td>
<td>14.2%</td>
<td>7.6%</td>
<td>1.4%</td>
</tr>
<tr>
<td>2000</td>
<td>76.3%</td>
<td>14.2%</td>
<td>7.6%</td>
<td>1.4%</td>
</tr>
<tr>
<td>2001</td>
<td>76.3%</td>
<td>14.0%</td>
<td>8.0%</td>
<td>1.4%</td>
</tr>
<tr>
<td>2002</td>
<td>76.3%</td>
<td>13.6%</td>
<td>8.3%</td>
<td>1.4%</td>
</tr>
<tr>
<td>2003</td>
<td>76.3%</td>
<td>13.4%</td>
<td>8.4%</td>
<td>1.4%</td>
</tr>
<tr>
<td>2004</td>
<td>76.1%</td>
<td>13.3%</td>
<td>8.9%</td>
<td>1.4%</td>
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<tr>
<td>2005</td>
<td>76.0%</td>
<td>13.1%</td>
<td>9.1%</td>
<td>1.4%</td>
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<tr>
<td>2006</td>
<td>75.9%</td>
<td>12.9%</td>
<td>9.1%</td>
<td>1.4%</td>
</tr>
</tbody>
</table>

Wisconsin’s Public School Enrollment: Past, Present, Future
What can we learn from broader demographics?

- Births
- Age Structure
- Migration
Wisconsin's Public School Enrollment: Past, Present, Future

Observed and Projected Births, 1980-2010
State of Wisconsin

Wisconsin’s Public School Enrollment: Past, Present, Future
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Net Migration by Age and Race/Ethnicity, 1990-2000

Wisconsin’s Public School Enrollment: Past, Present, Future
Net Migration by Age, 1990-2000
Nonmetropolitan Wisconsin

Wisconsin’s Public School Enrollment: Past, Present, Future
Demographic Summary

- Few births in Wisconsin in 1990s, contributed to declining enrollment in early 2000s
  - Births are increasing, particularly Hispanics

- Age structure contributed to low births
  - Increasing numbers of women coming into prime childbearing years, particularly minorities.

- Migration
  - Contributed to increase 1990-2000, likely 2000-2006
The Future: Enrollment Projections

- Cohort component method
- Grade progression ratios for Grades 1\textsuperscript{st} to 12\textsuperscript{th}
  - Average ratio of previous year 1\textsuperscript{st} graders to current year 2\textsuperscript{nd} graders
- Birth to Kindergarten
  - 3 models: Long Term trend, Recent trend, ASFR
- By race/ethnicity
- By urban/suburban/rural locale
Birth History and Projections, 1986-2011
State of Wisconsin

Wisconsin’s Public School Enrollment: Past, Present, Future
Wisconsin’s Public School Enrollment: Past, Present, Future
Public School Enrollment in Grades K-5: History and Projections, 1994-2016
State of Wisconsin

- Long Term Trend
- ASFR Model
- Recent Trend
- Actual

Wisconsin’s Public School Enrollment: Past, Present, Future
Wisconsin’s Public School Enrollment: Past, Present, Future
Public School Enrollment in Grades 9-12: History and Projections, 1994-2016
State of Wisconsin

Enrollment Long Term Trend ASFR Model Recent Trend Actual

Wisconsin’s Public School Enrollment: Past, Present, Future
Wisconsin’s Public School Enrollment: History and Projections, 2000-2016
Non-Hispanic White Students

K-12 Public School Enrollment: History and Projections, 2000-2016
Non-Hispanic White Students

Wisconsin’s Public School Enrollment: Past, Present, Future
K-12 Public School Enrollment: History and Projections, 2000-2016
Hispanic and African American Students

Wisconsin’s Public School Enrollment: Past, Present, Future
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Summary Points

- Widespread enrollment decline, but uneven
- Decline related to broader demographic trends
- Decline projected to continue another 2-3 years at state level and then rebound; however, K-5 already increasing and projected to increase rapidly over next several years
- Hispanic student population projected to increase rapidly and overtake African American as largest minority students in 2010.
- Non-Hispanic White population projected to continue decline
- Suburban districts projected to increase, while urban and rural projected to decline for another 3-4 years, then to rebound to levels similar to 2006.