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## ABSTRACT

This paper reports on the number and percentage of students repeating grades in Louisiana public schools in the years of 1997-1998 to 2000-2001. The findings are grouped by grade, economic status, education classification, gender, and ethnicity. Grade retention trends and the impact of high stakes testing policy on student retention are discussed. Data were obtained from Louisiana's statewide student enrollment database Student Information System. From 1997-1998 to 1999-2000, K-12 retention rates in Louisiana public schools rose from $7.5 \%(53,358)$ to $8.3 \%(57,361)$. The rate climbed to 10.7\% (73,740) in 2000-2001 when the LEAP 21 test became a promotional standard for fourth and eighth graders. In 2000-2001, the number of students retained more than tripled in grades 4 and 8 . In 1999-2000, grade 9 students were retained at the highest rate, followed by grades 1,7 , and 10. Poverty was strongly associated with grade retention, and students in special education programs were retained at a higher rate than students in a regular education program. Special education students receiving free lunch were most likely to be retained. African American students were retained at a higher rate than students in other ethnic groups, and male students were more likely to be retained than female students. (SLD)

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# Grade Level Retention Rates in Louisiana Public Schools: 1997-98 To 2000-01 

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#### Abstract

This study reports the number and percentage of students repeating grades in Louisiana public schools in the years of 1997-98 to 2000-01. The findings are grouped by grade, economic status, education classification, gender, and ethnicity. Grade retention trend and the impact of high stakes testing policy on student retention were discussed.

Data for this report were obtained from the statewide student enrollment database SIS (Student Information System). Grade retention was determined by comparing student grade placement of the year to the previous year. Retention rate is the total number of students retained as the percentage of the total number of students enrolled in both the school year and the previous year or graduated from the previous year.


The major findings are:

- From 1997-98 to 1990-00, K-12 retention rates in Louisiana public schools rose from 7.5\% $(53,358)$ to $8.3 \%(57,361)$. The rate climbed to $10.7 \%(73,740)$ in $2000-01$ when the LEAP 21 test was used as a promotional standard for $4^{\text {th }}$ and $8^{\text {th }}$ grade students.
- In 2000-01, the number of students retained more than tripled in $4^{\text {th }}$ grade $(9,511,17.1 \%)$ and $8^{\text {th }}$ grade ( $10,856,20.7 \%$ ) as compared to the previous year. These sharp increases in retention rates reflect the impact of the high stakes testing policy on $4^{\text {th }}$ and $8^{\text {th }}$ grade students.
- In 1999-00, grade 9 students were retained at the highest rate ( $15.7 \%$ ), followed by grade 1 ( $12.6 \%$ ), grade $7(10.9 \%)$, and grade $10(9.7 \%)$ The retention rates in these grades changed after the implementation of the high stakes testing policy. The 2000-01 data reveals that grade $8(20.7 \%)$, grade $4(17.1 \%)$, grade $9(15.3 \%)$, and grade 1 ( $13.2 \%$ ) had the highest retention rates.
- Poverty is strongly associated with grade retention. Students receiving free lunch are almost twice as likely to be retained as students receiving reduced-price lunch or students not receiving any food services.
- Students in special education programs were retained at a higher rate than students in a regular education program. Special education students receiving free lunch are most likely to be retained ( $17.5 \%$ ) in 2000-01.
- African American students were retained at a higher rate than students in other ethnic groups. Interestingly, Black students receiving reduced-price lunch had significantly lower retention rates than those on free lunch or those not receiving any food services in 2000-01.
- Male students are more likely to be retained than female students.


## Introduction

Grade retention is an interesting educational issue. Over the last century, grade retention has acted like a pendulum swinging back and forth with each educational reform movement. Each time there was a call for higher student achievement, grade retention rates went up. With the most recent student and school accountability initiatives, grade retention enters another swing.

In his 1999 State of the Union address, former President Clinton proposed 'ending social promotion' and greater expectation to student performance. So far, seven states including Louisiana have adopted high stakes testing policies, which use test score as standards to track, promote, and graduate students. Starting 1999-00, Louisiana public school students in fourth and eighth grades need to get passing scores on a state-wide test (LEAP for the $21^{\text {st }}$ Century :LEAP21) to be promoted.

The impact of the high stakes testing policy on retention in grades 4 and 8 , as well as other grades needs to be assessed. To inform the public, educators and policy makers on the magnitude of student retention in the state and assess the effects of the high-stakes testing policy, the Louisiana Department of Education conducted its first retention study. In using data collected through the Student Information System (SIS), this study established four years of retention rates from 1997-98 to 2000-01 for students enrolled in grades K-12 in Louisiana public schools.

This paper reports the methodology and findings of this study. The number and percentage of students retained in the state in the years from 1997-98 to 2000-01 are presented. The retention rates were analyzed by grade, economic status, education classification, gender, and ethnicity. Retention trend in the years of prior to (from 1997-98 to 1999-00) and after (2000-01) the implementation of the high-stakes testing policy was discussed.

## Methodology

In this study, grade-level retention was defined as a student repeating a grade from one year to the next. The data sources for this study are five years of student enrollment records collected through the Student Information System (SIS) from 1996-97 to 2000-01. The grade displayed in the last or the most recent enrollment entry record in the previous year was used to match the grade placement as displayed in the first entry record in the year of study. Students who had the same grade placement in two consecutive years were determined as retained.

Retention rate was calculated by dividing the total number of students retained by the total number of students included in the study, then multiplied by 100 . The numerator, total number of students retained, included students enrolled in the previous year and repeated grade in the year of study in Louisiana public schools. The denominator included students who enrolled in grades K-12 in Louisiana public schools in the previous year, and continued to enroll as a graded student in the following school year or graduated in the previous school year.

Students who enrolled in grades other than K-12 in the previous year, and those who dropped out or left to transfer out-of-state, attend private school or home schools were not included in this study.

## Findings

## Trends in Grade Retention

Over the three years from 1997-98 to 1999-00, retention rates in Louisiana public schools increased from $7.5 \%(53,358)$ to $8.3 \%(57,361)$ in 1999-00. With the adoption of the LEAP 21 test as a statewide promotional standard, the percentage of students retained climbed to $10.7 \%$ $(73,740)$ in 2000-01. As shown in Table 1, approximately one out of 10 students enrolled in grades K-12 in Louisiana public schools in 1999-00 was retained in 2000-01. Over 20,000 more students were retained in 2000-01 compared to four years ago in 1997-98.

$$
\text { Insert Table } 1 \text { about here }
$$

## Retention by Grade

Retention rates vary greatly between grades. Figure 1 displays the percentage of students retained in each grade over the four years from 1997-98 to 2000-01. A consistent grade retention pattern was shown in the three years prior to the use of the high stakes testing standards.
Students in $9^{\text {th }}$ grade retained at the highest rate (average about 16.4\%). Grades Kindergarten, $1^{\text {st }}, 7^{\text {th }}$, and $10^{\text {th }}$ also have relatively high retention rates. On the other hand, fourth and eighth grades retained relatively lower percentage of students in the three years, with an average of $5.0 \%$ in $4^{\text {th }}$ grade and $6 \%$ in $8^{\text {th }}$ grade.

However, the retention pattern changed in 2000-01. The percentages of students retained in $4^{\text {th }}$ and $8^{\text {th }}$ grades were more than three times higher than they were in the previous years. As shown in Table 1, a total of $9,511(17.1 \%) 4^{\text {th }}$ graders and $10,856(20.7 \%)$ of $8^{\text {th }}$ graders were repeating grades in 2000-01. Comparing to 1997-98, over 7,000 more students retained in both $4^{\text {th }}$ and $8^{\text {th }}$ grades. In addition, there was an increase in the proportion of students retained in all other K-8 grades, but at a lesser degree. Grades of 9,1 , and 7 continued to have relatively higher retention rates.

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## Grade Retention By Economic Standing

Poverty has a strong association with grade retention. Economically disadvantaged students have higher retention rates than students who are not economically disadvantaged. As seen in Table 2, students receiving free-price lunch were almost twice as likely to be retained than those receiving reduced-price lunch or not receiving any food support. Students with free lunch were retained at a rate average about $10.2 \%$ over the three years from 1997-98 to 1999-00, in comparison to $6 \%$ for those on reduced-price lunch and $6.1 \%$ for those not receiving any food subsidizes. Interestingly, even though students receiving reduced-price lunch have lower family income than students not receiving any food services, there was no noticeable differences in the retention rates between the two groups of students.

Insert Table 2 about here

## Grade Retention By Education Classification

The proportion of students retained also differs between educational programs. Students in special education programs were retained at a higher rate than those in regular education programs. Table 3 shows that special education students were retained at a rate of $11.2 \%$ in $1999-00$ and $15.6 \%$ in 2000-01, while regular education students were retained at $8.1 \%$ and $10.5 \%$ in the two years. Very low percentage of students participating gifted or talented programs were retained.

Insert Table 3 about here

## Grade Retention By Gender

Gender differences in grade retention are apparent as shown in Table 4. Male students were more likely to be retained than female students. As a four-year average in all grades, one out of $10(10.4 \%)$ males was retained, in comparison to a retention rate of $6.9 \%$ among female students. Similar gender gap was also found among $4^{\text {th }}$ and $8^{\text {th }}$ grades, however, the gap is very small among the $8^{\text {th }}$ graders (less than $1.0 \%$ )

Insert Table 4 about here

## Grade Retention By Ethnicity

Retention rates vary among students with different ethnic backgrounds. Black students had higher retention rates than other ethnic students. On average, Black students were retained at $11.4 \%$ across the four years, while White students were retained at $6.2 \%$. The high stakes testing policy also has a greater impact on Blacks than on other ethnic groups. As displayed in Table 5 and 6, Black students had a greater increase in the percentage of students retained ( $20 \%$ in $4^{\text {th }}$ grade and $25 \%$ in $8^{\text {th }}$ grade) from 1999-00 to 2000-01. Three times more Black $4^{\text {th }}$ graders and four times more $8^{\text {th }}$ Black graders were retained in 2000-01. In addition, Hispanic and American Indian students also had relatively higher retention rates than White and Asian students.

Insert Table 5 and 6 about here

## Conclusions

Grade retention rates are on a rise in Louisiana public schools. The number of students retained has increased from 53,358 ( $7.5 \%$ ) in 1997-98 to $73,740(10.7 \%)$ in 2000-01. Over 20,000 more students were retained in 2000-01 than three years ago in 1997-98. The high stakes testing policy had a big impact on the number and percentage of students retained in the state, especially $4^{\text {th }}$ and $8^{\text {th }}$ grades. Retention rates in both grades have more than tripled in 2000-01 than the previous year. In 2000-01, nearly one out of 5 students enrolled in $4^{\text {th }}$ or $8^{\text {th }}$ grades in 1999-00 is repeating grades this year.

Prior to the use of high stakes testing standards, ninth grade had the highest percentage of students retained among all grades. First and tenth grades also had relatively higher retention rates. Grade retention is related to certain student characteristics. Students who are economically disadvantaged are twice as likely to be retained. Special education students are more likely to be retained than regular education students. Male students are retained at higher percentages than female students. Ethnic minority students especially Black students are more likely to be retained.

The sharp increases in the number and percentage of students retained in $4^{\text {th }}$ and $8^{\text {th }}$ grades may suggest that the promotional standards used in the past are lower than the testing standards adopted in 1999-00. Future findings in grade retention rates in the next few years will serve as a good indicator to assess the accountability system and educational programs implemented in the state.
Table 1. 1997-98 To 2000-01 K-12 Grade-Level Retention Rates In Louisiana Public Schools

|  |  | K | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | State |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1997.98 | Total Students | 59,474 | 61,958 | 57,141 | 56,339 | 56,986 | 57,564 | 58,375 | 57,567 | 54.177 | 59,684 | 48,323 | 41.115 | 38,819 | 707,522 |
|  | Total Retained | 5,169 | 6,945 | 3,172 | 2.541 | 2,461 | 1,962 | 3,398 | 5,297 | 3,158 | 9,889 | 5,084 | 2,599 | 1,683 | 53,358 |
|  | Retention Rate | 8.7\% | 11.2\% | 5.6\% | 4.5\% | 4.3\% | 3.4\% | 5.8\% | 9.2\% | 5.8\% | 16.6\% | 10.5\% | 6.3\% | 4.3\% | 7.5\% |
| 1998-99 | Total Students | 58,923 | 61,570 | 57,808 | 56,236 | 55,693 | 55,392 | 57,889 | 58,970 | 53,328 | 58,867 | 49,265 | 41,104 | 39,975 | 705,020 |
|  | Total Retained | 5,039 | 6,967 | 3,518 | 2.777 | 2,790 | 2,477 | 4,233 | 5,961 | 3,402 | 9,933 | 4,879 | 2.342 | 1,826 | 56.144 |
|  | Retention Rate | 8.6\% | 11.3\% | 6.1\% | 4.9\% | 5.0\% | 4.5\% | 7.3\% | 10.1\% | 6.4\% | 16.9\% | 9.9\% | 5.7\% | 4.6\% | 8.0\% |
| 1999-00 | Total Students | 57.191 | 60,682 | 57,367 | 56,416 | 55,214 | 54,003 | 55,612 | 57,697 | 53,273 | 57,208 | 47.614 | 41,467 | 39,340 | 693,084 |
|  | Total Retained | 5.212 | 7.673 | 3.724 | 3,287 | 3,005 | 2,469 | 4,543 | 6,280 | 3,280 | 9,026 | 4,649 | 2,574 | 1,639 | 57,361 |
|  | Retention Rate | 9.1\% | 12.6\% | 6.5\% | 5.8\% | 5.4\% | 4.6\% | 8.2\% | 10.9\% | 6.1\% | 15.7\% | 9.7\% | 6.2\% | 4.1\% | 8.3\% |
| 2000-01 | Total Students | 55,056 | 60,434 | 56,524 | 56,636 | 55,468 | 54,168 | 55,445 | 56,246 | 52,467 | 57,027 | 47,316 | 40,755 | 39,726 | 687,268 |
|  | Total Retained | 5,286 | 7,981 | 3,810 | 3,998 | 9,511 | 2,983 | 5,070 | 6,923 | 10,856 | 8,719 | 4,345 | 2,437 | 1,821 | 73,740 |
|  | Retention Rate | 9.6\% | 13.2\% | 6.7\% | 7.1\% | 17.1\% | 5.5\% | 9.1\% | 12.3\% | 20.7\% | 15.3\% | 9.2\% | 6.0\% | 4.6\% | 10.7\% |

Table 2. K-12 Grade-Level Retention Rates By Economic Status

|  | 1997-98 |  |  | 1998-99 |  |  | 1999-00 |  |  | 2000-01 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total Students | Number Retained | Retention Rate | Total Students | Number <br> Retained | Retention Rate | Total Students | Number <br> Retained | Retention Rate | Total Students | Number <br> Retained | Retention Rate |
| On Free Lunch | 303,446 | 28,075 | 9.3\% | 349,448 | 36,360 | 10.4\% | 338,350 | 36,966 | 10.9\% | 337,530 | 49,620 | 14.7\% |
| On Reduced Lunch | 44,943 | 2,275 | 5.1\% | 54,603 | 3,050 | 5.6\% | 55,172 | 3,189 | 5.8\% | 53,770 | 4,006 | 7.5\% |
| Not On Free/Reduced Lunch | 359,133 | 23,008 | 6.4\% | 300,969 | 16,734 | 5.6\% | 299,562 | 17,206 | 5.7\% | 295,968 | 20,114 | 6.8\% |
| Total | 707,522 | 53,358 | 7.5\% | 705,020 | 56,144 | 8.0\% | 693,084 | 57,361 | 8.3\% | 687,268 | 73,740 | 10.7\% |

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Table 3．K－12 Grade－Level Retention Rates By Education Classification

|  | Total <br> Students | 1999－00 <br> Number <br> Retained $^{2}$ | Retention <br> Rate $^{3}$ | Total <br> Students | 2000－01 <br> Number <br> Retained | Retention <br> Rate |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Special Education | 73,451 | 8,261 | $11.2 \%$ | 75,502 | 11,752 | $15.6 \%$ |
| Gifted／Talented | 18,282 | 230 | $1.3 \%$ | 23,836 | 378 | $1.6 \%$ |
| Regular Education | 601,351 | 48,870 | $8.1 \%$ | 587,930 | 61,610 | $10.5 \%$ |
| Total | 693,084 | 57,361 | $8.3 \%$ | 687,268 | 73,740 | $10.7 \%$ |

Table 4. K-12 Grade-Level Retention Rates By Gender And Ethnicity

|  | 1997-98 |  |  | 1998-99 |  |  | 1999-00 |  |  | 2000-01 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total Students | Number <br> Retained | Retention Rate | Total Students | Number <br> Retained | $\begin{aligned} & \text { Retention } \\ & \text { Rate } \end{aligned}$ | Total Students | Number Retained | Retention Rate | Total Students | Number Retained | Retention Rate |
| Female | 350,376 | 20,370 | 5.8\% | 348,867 | 21,515 | 6.2\% | 343,178 | 22,388 | 6.5\% | 339,136 | 30,167 | 8.9\% |
| Male | 357,146 | 32,988 | 9.2\% | 356,153 | 34,629 | 9.7\% | 349,906 | 34,973 | 10.0\% | 348,132 | 43,573 | 12.5\% |
| American Indian | 4,065 | 340 | 8.4\% | 4,176 | 302 | 7.2\% | 4,108 | 325 | 7.9\% | 4,145 | 373 | 9.0\% |
| Asian | 9,151 | 323 | 3.5\% | 9,008 | 367 | 4.1\% | 8,899 | 336 | 3.8\% | 8,465 | 404 | 4.8\% |
| Black | 322,505 | 30,302 | 9.4\% | 324,662 | 33,650 | 10.4\% | 322,803 | 34,862 | 10.8\% | 323,406 | 48,249 | 14.9\% |
| Hispanic | 8,267 | 667 | 8.1\% | 8,603 | 752 | 8.7\% | 8,753 | 742 | 8.5\% | 9,060 | 967 | 10.7\% |
| White | 363,534 | 21,726 | 6.0\% | 358,571 | 21,073 | 5.9\% | 348,521 | 21,096 | 6.1\% | 342,192 | 23,747 | 6.9\% |
| Total | 707,522 | 53,358 | 7.5\% | 705,020 | 56,144 | 8.0\% | 693,084 | 57,361 | 8.3\% | 687,268 | 73,740 | 10.7\% |

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Table 5. Grade Retention Rates In th Grade By Gender And Ethnicity

Table 6. Grade Retention Rates In 8th Grade By Gender And Ethnicity

|  | 1997-98 |  |  | 1998-99 |  |  | 1999-00 |  |  | 2000-01 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total Students | Number <br> Retained | Retention Rate | Total Students | Number <br> Retained | Retention Rate | Total Students | Number <br> Retained | Retention Rate | Total Students | Number <br> Retained | Retention Rate |
| Female | 26,848 | 1,156 | 4.3\% | 26,491 | 1,274 | 4.8\% | 26,833 | 1,299 | 4.8\% | 26,183 | 5,306 | 20.3\% |
| Male | 27,329 | 2,002 | 7.3\% | 26,837 | 2,128 | 7.9\% | 26,440 | 1,981 | 7.5\% | 26,284 | 5,550 | 21.1\% |
| American Indian | 317 | 20 | 6.3\% | 334 | 17 | 5.1\% | 336 | 17 | 5.1\% | 323 | 49 | 15.2\% |
| Asian | 732 | 25 | 3.4\% | 675 | 25 | 3.7\% | 717 | 22 | 3.1\% | 671 | 79 | 11.8\% |
| Black | 23,862 | 1,703 | 7.1\% | 23,942 | 1,878 | 7.8\% | 24,173 | 1,947 | 8.1\% | 24,060 | 8,059 | 33.5\% |
| Hispanic | 571 | 32 | 5.6\% | 585 | 58 | 9.9\% | 624 | 52 | 8.3\% | 656 | 107 | 16.3\% |
| White | 28,695 | 1,378 | 4.8\% | 27,792 | 1,424 | 5.1\% | 27,423 | 1,242 | 4.5\% | 26,757 | 2,562 | 9.6\% |
| Total | 54,177 | 3,158 | 5.8\% | 53,328 | 3,402 | 6.4\% | 53,273 | 3,280 | 6.1\% | 52,467 | 10,856 | 20.7\% |


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