

Strategic Planning to Serve Off-Track Youth

Data Review and Strategic Implications

September 2007

Boston Public Schools

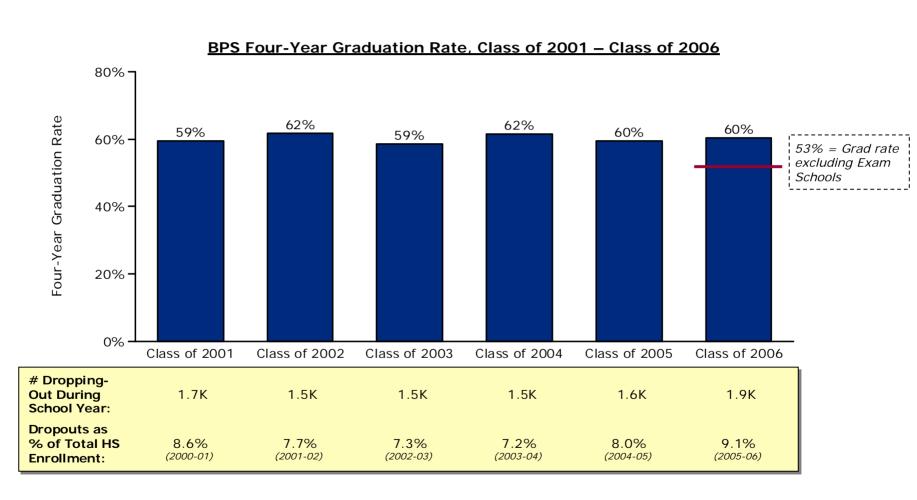
The Parthenon Group

Jobs for the Future

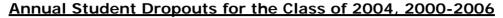
The Bill and Melinda Gates Foundation

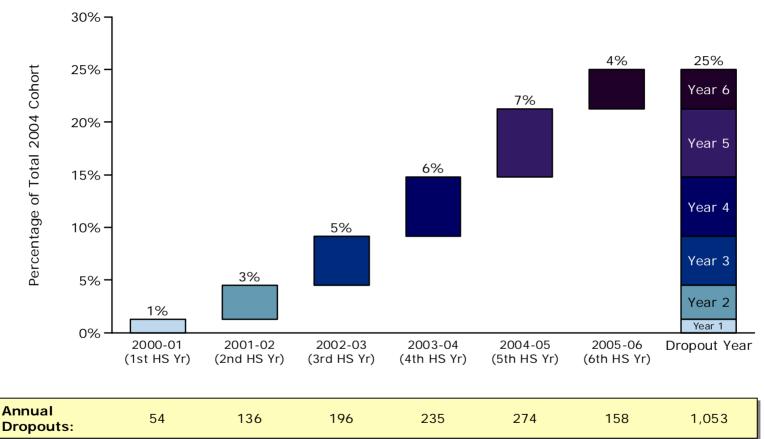


BPS' Four-Year Graduation Rate Is Stagnant at ~60%, and the Number of Annual Dropouts Has Increased in Recent Years



84% of Dropouts Occur In the 3rd Year of High School or Later







In total, BPS spent \$49MM on dropouts from the Class of 2004 within the high school years alone

Source: BPS Internal Data

What Did Not Work in Defining Early Indicators for BPS Dropouts?

Entering High School Overage

 Only 15% of all dropouts enter high school at age 16 or older (although this group has only a 27% four-year graduation rate)

Attendance Prior to High School

Only 10% of all dropouts had an attendance rate below 80% in 8th grade (though this group has only a 15% four-year graduation rate)

Middle School Course Performance • Only 22% of all dropouts failed multiple courses in 8th grade (though this group has only a 26% four-year graduation rate)

Middle School MCAS Scores

• Students failing one or both middle school MCAS exam have a 48% four-year graduation rate (students failing one MCAS exam graduate at 57%, nearly the system average)

High School MCAS Scores

- 24% of all dropouts had passed both MCAS exams
- 39% of all dropouts have not taken either MCAS exam (mostly because they drop out before the test-taking point in 10th grade)

Three-Quarters of All BPS Dropouts Fit Into Four Key Segments, None of Which Have a 4-Year Graduation Rate Above 36%

Segments Are Mutually Exclusive (Overlap Between Segments Has Been Removed)

(1) Late Entrant ELL Students

(2) Substantially Separate SPED Students (3) Students with One or More 8th Grade Risk Factors (4) Students Failing
Multiple Core
Courses in
9th Grade

<u>Percent of</u> <u>Class of '04</u> <u>Dropouts:</u>

13% of dropouts (137 dropouts)

17% of dropouts (169 dropouts)

26% of dropouts (274 dropouts)

18% of dropouts (190 dropouts)

<u>Graduation</u> <u>Rate:</u>

36% 4-year rate 47% 6-year rate

24% 4-year rate 32% 6-year rate

34% 4-year rate 40% 6-year rate

31% 4-year rate 48% 6-year rate

Description: •

 English language learning students who enter BPS for the first time during high school All students who are substantially separate SPED at any point in grade 9-12, excluding students with severe disabilities not intended for a diploma

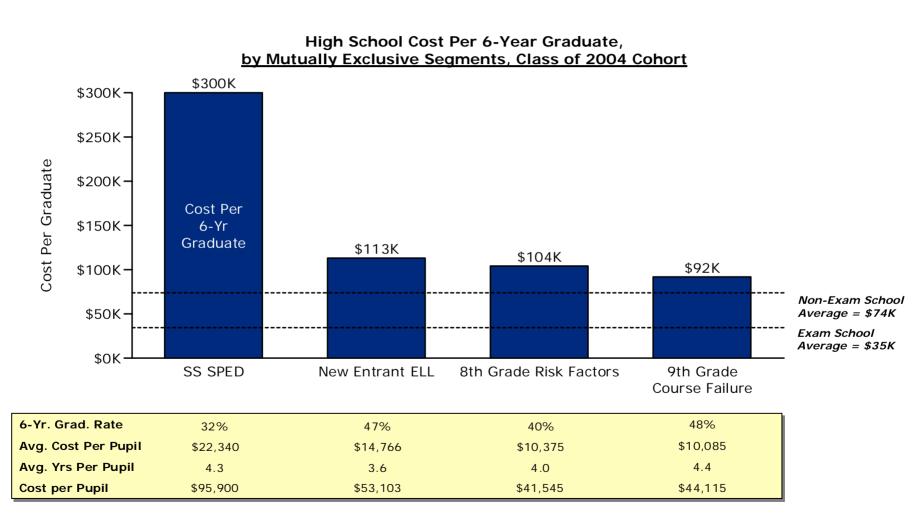
- Risk factors include:
 - Attendance rate below 80%
 - Two or more years overage
 - Fail multiple core courses

 First time 9th graders who fail one or more course in English, Math, Science or History



Each year, BPS high schools take in approximately 2,000 first-time 9th graders across these four segments

The Result of System-Wide Inability to Serve Off-Track Youth Is a Substantial Financial Investment per Graduate (Grade 9-12 \$ Only)

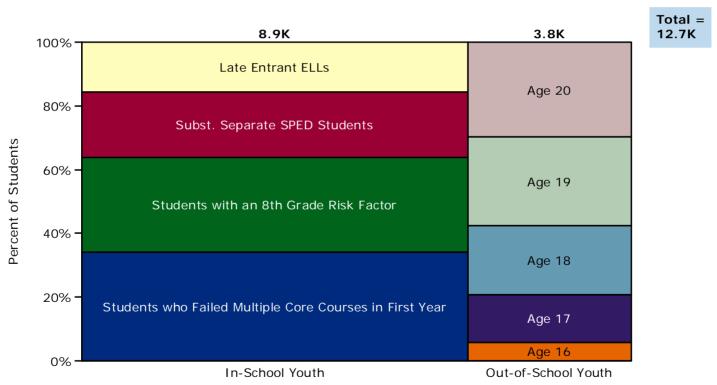


Note: Cost per graduate calculated for all students from Class of 2004 Cohort, including those in internal alternative education programs; Includes Instruction and Administrative costs only Source: BPS Internal Data; ERS 2006 Financial Model

Nearly 13,000 Boston High School-Age Youth Are Off-Track, When Including Both In- and Out-of-School Youth

• The <u>in-school</u> off-track population represents 43% of BPS high school enrollment (or 61% when including out-of-school youth), based on an estimated 9-12 high school enrollment of ~20,000 in 2006

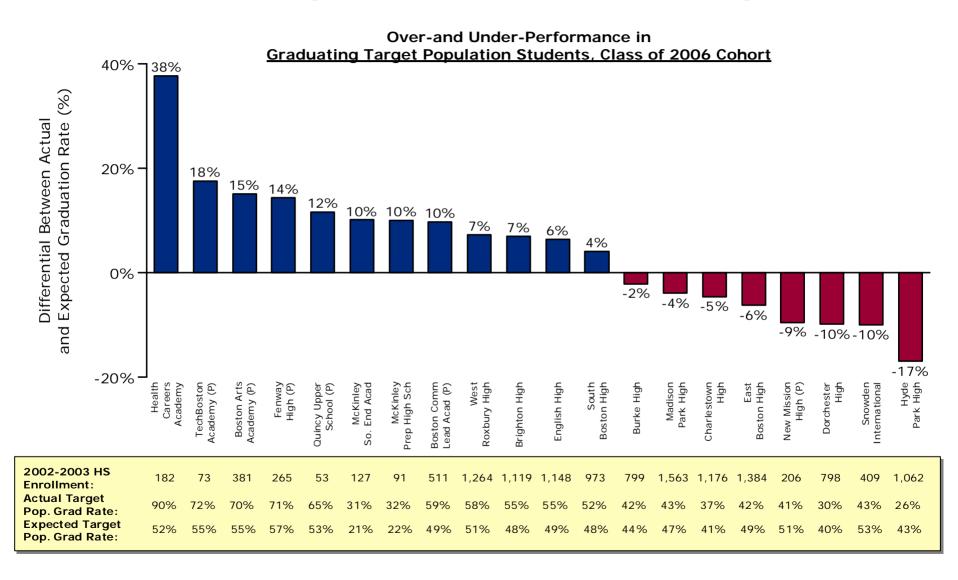
Estimated School Age Off-Track Population, In- vs Out-of-School, 2006



Note: In-School population estimated based on attrition patterns for the Class of 2004 Source: BPS Internal Data; Parthenon Analysis

Performance and Resources of the "First Chance" System

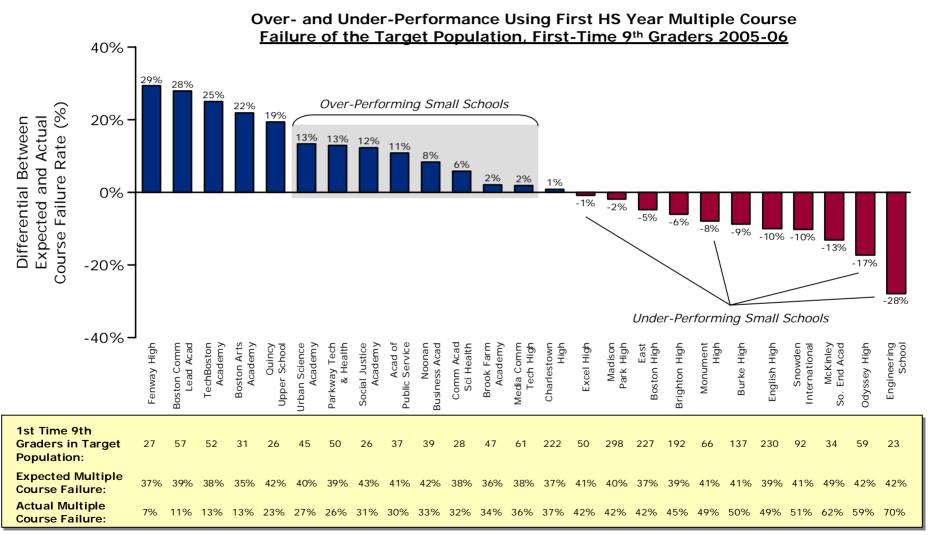
Schools Show a Range of Performance with the Target Population



Note: Actual graduation rates are calculated after tagging a student to a school on 06/01/2003; (P) denotes Pilot School Source: BPS Internal Data

Performance and Resources of the "First Chance" System

Course Performance Trends for Recent 9th Graders Show that Many Small Schools Are Over-Performers



Note: Excludes schools with sample size less than 20. Excludes New Mission due to unavailable data. Excludes Boston International due to different rates of taking core courses in the first year

Source: BPS Internal Data 23

Assessing Alternative Education

The Quantity of Alt Ed Seats Falls Far Short of Potential Need Across Key Segments of Students

- At the end of 2005-06, there were ~4,500 students enrolled across the five segments
 - These five groups together accounted for 92% of Alternative Education enrollment over the course of 2005-06

Continuum of Age vs. Proximity to Graduation

Younger, Far from Graduation 16 or 17 years old; 2 or More Years Off-Track for Graduation

- 1,323 total students
 - 1,046 students excluding substantially separate SPED (21% of total)

Older, Far from Graduation 18 or Older; 2 or More Years From Graduation

- 1,171 total students
 - 937 students excluding substantially separate SPED (20% of total)

Older, Close to Graduation 18 or Older; Graduation Possible Within 1 Year

- 913 total students
 - 704 students excluding substantially separate SPED (23% of total)

Additional Factors Defining Potential Need

Overage Late Entrant ELL Students

- · 462 students enter annually
 - Substantially separate SPED designations are highly rare in this category

Returning Dropouts

- 679 total students
 - 598 students excluding substantially separate SPED (estimated 12% of total)
- 38% Young & Far
- 29% Old & Far
- 9% Old & Close
- 24% No Segment (mainly too young)