

Middle School Athletics

A Summary of Academic Outcomes in 2014—2015

Austin Independent School District

Purpose

The vision of Austin Independent School District's (AISD's) Athletics Department is to instill a passion for lifelong learning in all student-athletes through the development of athletic programs at the elementary, middle, and high school levels. To monitor progress toward this goal, academic outcomes for middle school student athletes and non-athletes in the 2014—2015 school year were analyzed. Two major evaluation questions were explored:

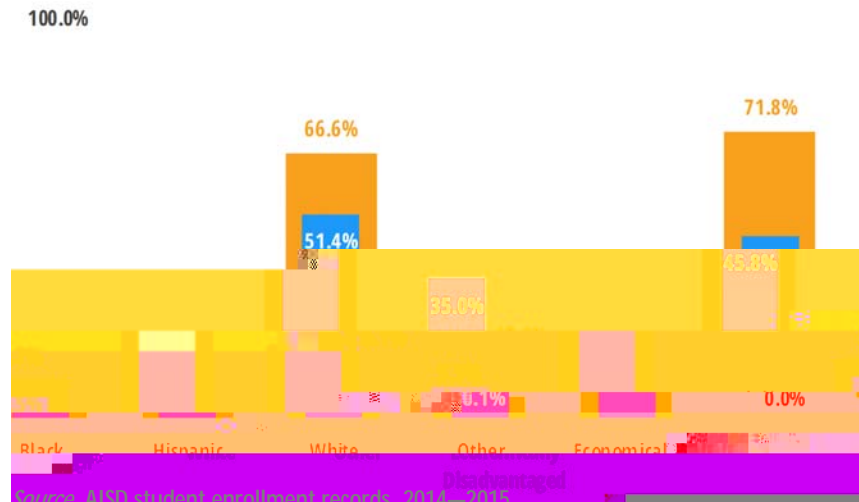
Were there differences in attendance, disciplinary, and State of Texas Assessments of Academic Readiness (STAAR) testing outcomes between middle schools with and without a scheduled athletics period?

Were there differences in attendance, disciplinary, and STAAR testing outcomes between athletes and non-athletes?

Demographics

Significant demographic differences were found between middle schools offering athletics periods and those that did not. Middle schools offering an athletics period had a significantly lower percentage of students who were categorized as economically disadvantaged (46%) compared with those not offering an athletics period (72%).

Figure 1
Middle schools offering an athletics period during the school day had a significantly lower percentage of students who were categorized as economically disadvantaged than middle schools that did not offer an athletics period during the school day.



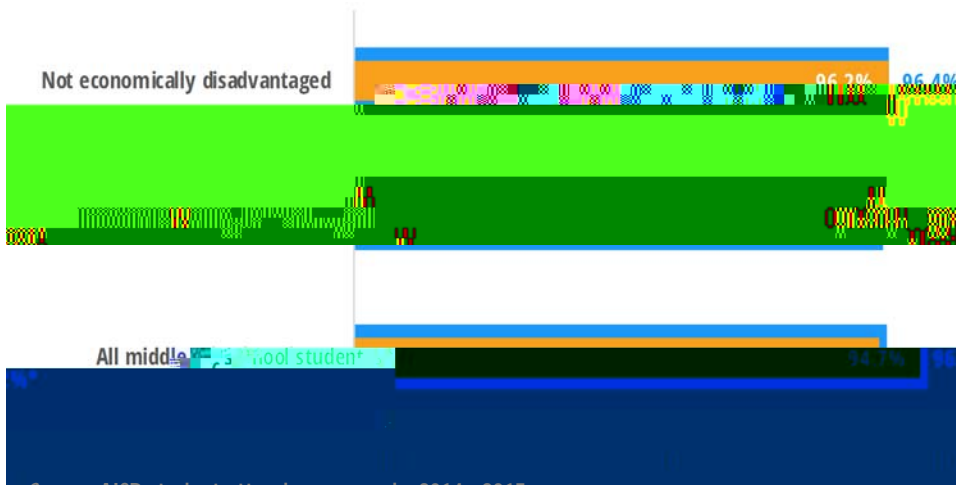
* $p < .05$

Attendance

Middle schools that offered a scheduled athletics period during the day and students who enrolled in athletics periods experienced positive student attendance outcomes. The overall student attendance rate of schools offering a scheduled athletics period was significantly higher (95.6%) than the overall student attendance rate of schools that did not offer a scheduled athletics period (94.2%). Within schools offering athletic periods, the attendance rate for student athletes was significantly greater than for students not enrolled in an athletics period, and student enrollment in athletics periods appeared to moderate the significant influence of student economic disadvantage status on attendance (Figure2).

Figure 2

Overall, **student athletes** had a significantly greater attendance rates than did **non-athletes**, and participation in athletics had a significant positive influence on the attendance rates of students who were categorized as economically disadvantaged.



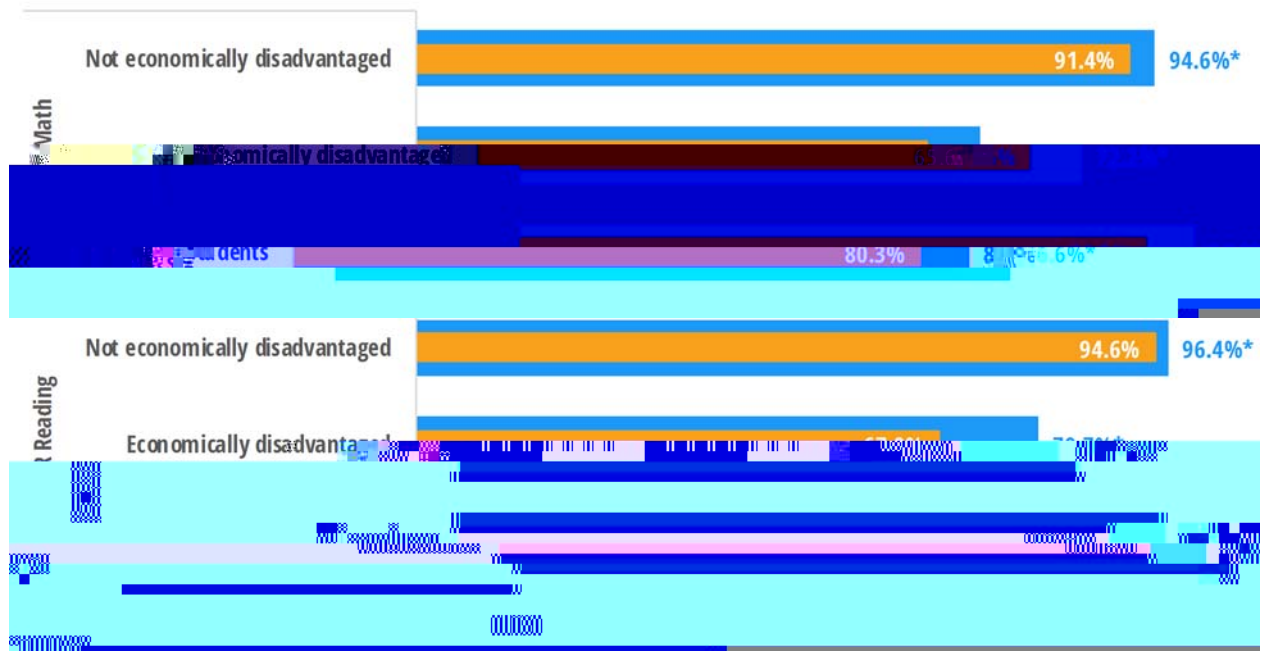
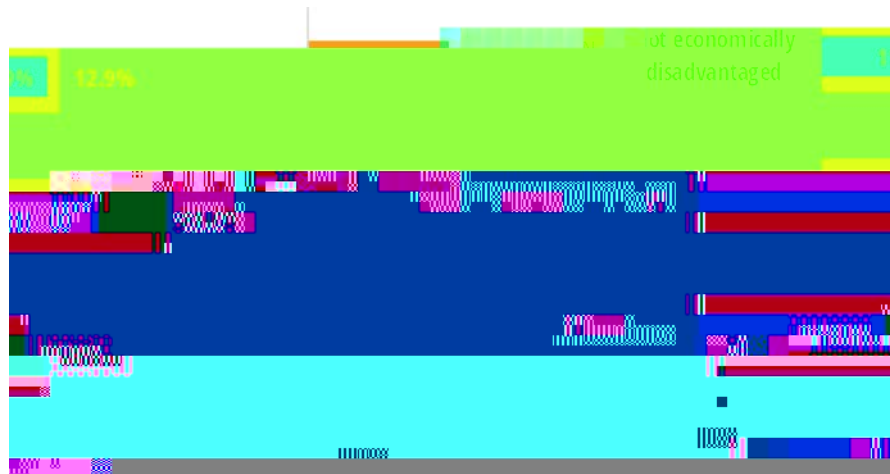
Source: AISD student attendance records, 2014—2015

* $p < .05$

Discipline

Middle schools with scheduled athletics periods during the day and student athletes experienced positive disciplinary outcomes. The percentage of students with disciplinary infractions in schools with scheduled athletics periods was significantly lower (19.3%) than the percentage of students in schools without schedule athletics periods (30.5%). The percentage of athletes who had one or more disciplinary infractions was significantly lower than the percentage of non-athletes with one or more disciplinary infractions. Enrollment in an athletics period appeared to influence disciplinary outcomes for students categorized as economically disadvantaged; these athletes were significantly less likely to have disciplinary infractions than were non-athletes (Figure3).

Ten AISD middle schools, serving 6,075 students, offered an athletics period during the school day, and seven middle schools, serving 4,260 students, did not offer an athletics period.



Research Literature

Many research studies consistently report positive academic outcomes for students who participate in athletics. Lumpkin and Achen (2014) found athletes had higher school attendance rates, graduation rates, state assessment scores, and lower dropout rates than did non-athletes. Additional researchers also asserted academic success (evidenced by grades, time on homework, and educational aspirations) was related to both physical activity and participation on sports teams (Fox, Barr-Anderson, Neumark-Sztainer, & Wall, 2010). Trudeau and Shephard (2008) indicated that sports are “more likely to benefit academic performance if offered in school rather than in other sport contexts” (p.7). Additionally, Bowen and Green