

Early Warning Reports

OnHand Schools is excited to provide predictive analysis type reports. Using the research compiled by Dr. Donovan Mann at Conestoga Valley SD, the Michael and Susan Dell Foundation

<http://www.texasstudentdatasystem.org/> , and Better High Schools

<http://www.betterhighschools.org/ews.asp#EWS1> OnHand Schools has added a new Early Warning system to EdInsight that uses a risk index probability prediction based on misconduct, State Tests, formative tests, and attendance to place students *At Risk*. The idea is that with advanced warning a district can design interventions to help students that are in danger of failing a course, the year, or not graduating on time. The algorithm created for the Early Warning is based on the work of Dr Mann and is explained below. OnHand Schools is eager to move into the predictive data analysis area and is looking forward to customer input to improve the system.

OnHand Schools has incorporated a risk scoring system that ranks students based on weighting of four categories.

Student Absence

Only full day excused and unexcused is scored.

- Full day excused – scores 1 for each absence
- Full day unexcused – scores 2 for each absence

Student Misconduct

Misconduct is only scored if there are suspension days for an incident.

- Scores sum of “suspension days” * 2

4Sight Testing (math and reading)

Only generates a score for 4Sight tests where the student scores basic or below basic.

- Basic – scores 2 for each test with a basic score
- Below Basic – scores 4 for each test with a below basic score

PSSA (math and reading)

Only generates a score for PSSA tests where the student scores basic or below basic.

- Basic – scores 2 for each test with a basic score
- Below Basic – scores 4 for each test with a below basic score

The screen shots show an example of an Early Warning *At Risk Report*.