RTTT Project 27 Dashboard Overview of Student Alerts

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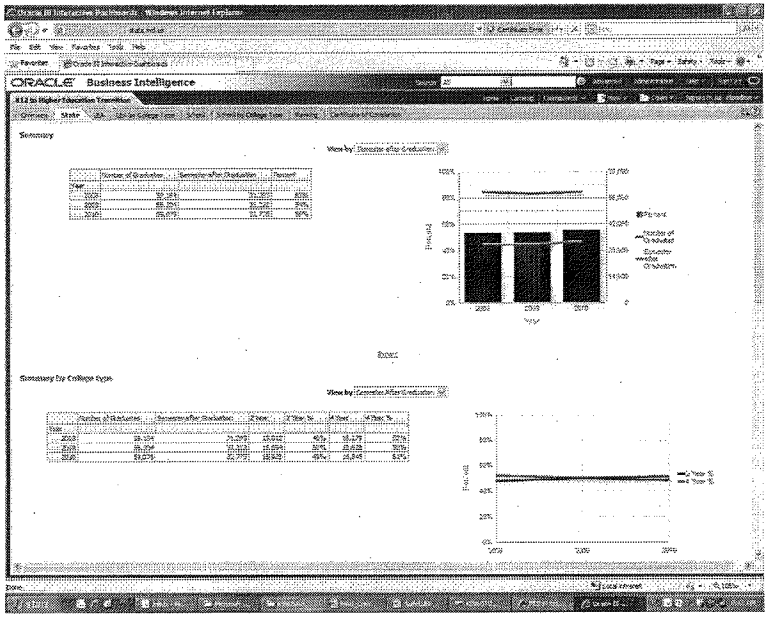
Preparing World-Class Students

Overview

- RTTT Project 27 is 3 year development of over 125 data presentation dashboards covering 36 performance subject areas

- Year 1 *Student High Risk Alerts* dashboard is designed to provide a general indication that a student might be at risk for insufficient progress.



Summary

- The student alert indicator is a weighted average a variety of factors that were selected based on a combination of;
  - Best-practices of other states and several MD LEAs including; Massachusetts, South Carolina, Maine, Illinois, New York, Prince George's County, and Baltimore City.
  - US Dept. of Education IES research,
  - MSDE and LEA experience of select subject matter experts.

- The alerts dashboard written requirements have been completed and being discussed with a variety of MSDE and LEA subject matter experts while a dashboard mockup is being developed.

Alerts Indicators

- The alerts indicator is a weighted average of factors that are stored in a control table. This allows for:
  - Factors to be weighted based on our research and experience;
  - Factors that are not used to be zeroed out; and
  - Factors can be defined by grade bands.

- The weighted average alerts indicator consists of 7-10 factors depending on grade. The main factors include; MMSR/MSA/HSA, credits, attendance, disciplinary events, mobility, cohort, access to pre-k, special services, and dropout/withdrawal events.

- Disciplinary factor is a count of select disciplinary events that are reported from the our disciplinary file (annual report).

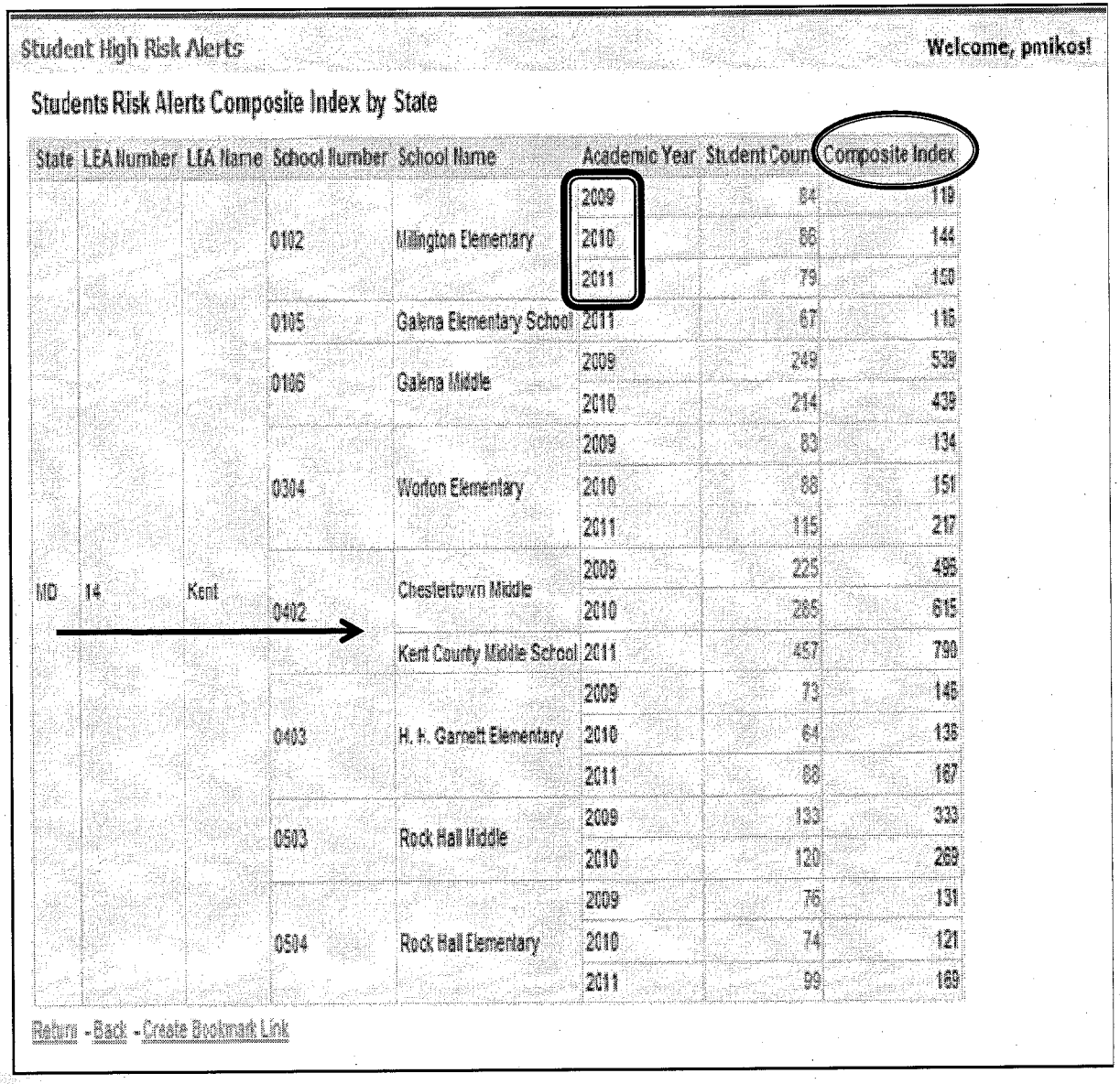
- For the full description, see "Functional Requirements Document Student High Risk Alerts".

Alert System for Students At Risk

Indicators	K-2	3-8	9-12
Academic Progress	Access to Pre-K MMSR	MSA - Reading MSA - Math	HSA - English/LA HSA - Algebra Credit Count
Attendance	>10 days >20 days	>10 days >20 days	>10 days >20 days
Out-of-Age Cohort / Retention	Based on expected age for grade level (calculated by birth date)		
Comportment - Suspension/Expulsion	Each Occurrence of Out-of-School Suspension and Each Occurrence of Expulsion		
Mobility / Transfer	> 2 schools per year and/or multiple schools over a three-year period		
Demographic Flags	Includes the ability to report and identify risk for sub-groups including; SWD, ELL, R/E, and FARMS		

Alert System for Students At Risk

- Student Composite Index (SCI) includes weighted factors
- State – LEA – School – and Student-Level Reports
- Includes 3-year calculations and trend data
- On-going analysis and research to improve the model



Student High Risk Alerts — Welcome, pmikos!

Students Risk Alerts Composite Index by State

State	LEA Number	LEA Name	School Number	School Name	Academic Year	Student Count	Composite Index
MD	14	Kent	0102	Millington Elementary	2009	84	119
					2010	86	144
					2011	79	150
			0105	Galena Elementary School	2011	67	116
			0106	Galena Middle	2009	249	539
					2010	214	439
			0304	Worton Elementary	2009	83	134
					2010	88	151
					2011	115	217
			0402	Chestertown Middle	2009	225	495
					2010	285	615
				Kent County Middle School	2011	457	790
			0403	H. H. Garnett Elementary	2009	73	146
					2010	64	138
					2011	88	187
			0503	Rock Hall Middle	2009	133	333
					2010	120	269
			0504	Rock Hall Elementary	2009	76	131
					2010	74	121
					2011	99	169

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Next Steps in the Dashboard Process

- On-going dashboard development with MSDE-LEA collaboration review team for feedback and design modifications.

- Next steps in our formal dashboard development process are:
  - Complete proof-of-concept dashboard
  - Modify the proof-of-concept and do a quality assurance assessment on available data
  - Prepare multi-media overview of the dashboard
  - Define the security access specifications for the dashboard
  - Perform a user acceptance test with the LEAs collaboration team
  - Plan the rollout with executive approval for dashboard release.
  - Conduct LEA webinar to initiate rollout.