Office of Student Achievement's Comprehensive 2014 CRCT Analysis

Analysis, Results and Recommendations

Prepared for
State Board of Education

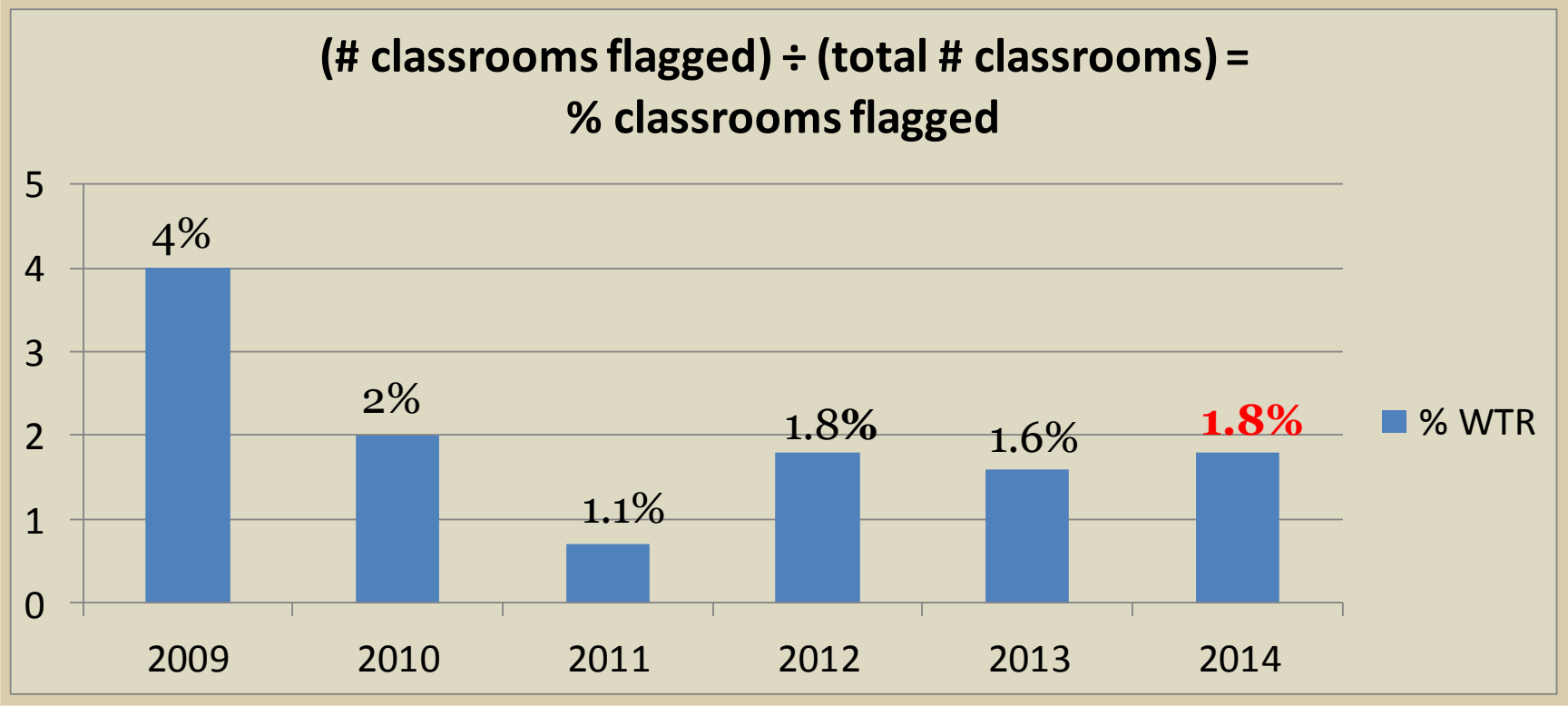
February, 2015

2014 CRCT Erasure Analysis

- GOSA repeated the erasure analysis in 2014 that was performed on answer documents in previous years: 2009, 2010, 2011, 2012, and 2013:
  - Analysis performed by CTB-McGraw/Hill on all answer documents grades 3-8 for Reading, English/Language Arts, and Mathematics tests
  - ≈ 125,000 answer documents per subject for each grade
  - Total wrong-to-right changes across a classroom were flagged at ≥3 SD above the state average
  - Individual classroom results were aggregated to school totals

2014 CRCT Erasure Analysis

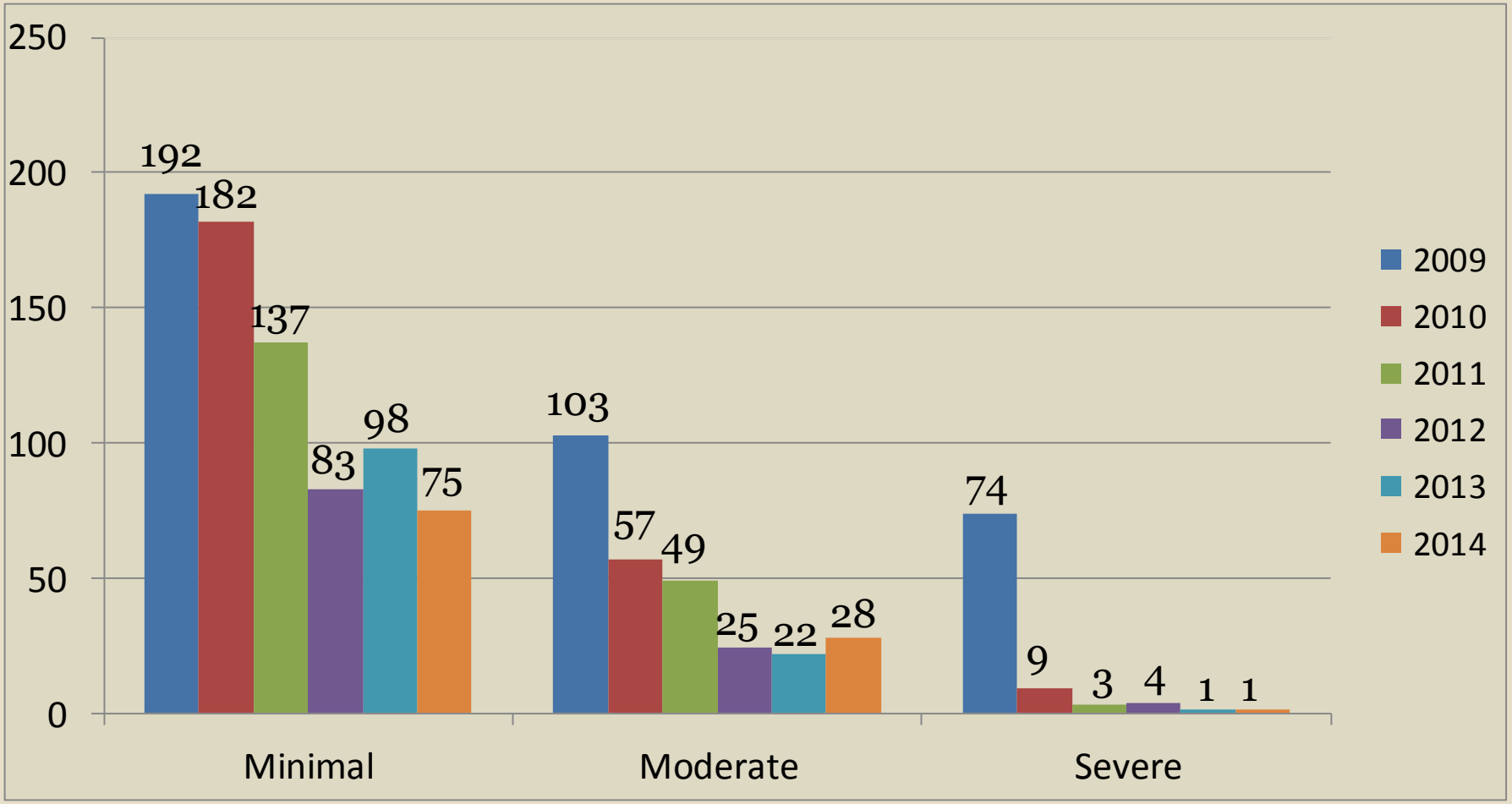
2014 results shows a maintenance from previous years



Categories of Concern

- Clear of Concern = 0% - 5% of classrooms flagged
- Minimal Concern = 6% - 10% of classrooms flagged
- Moderate Concern = 11%-24% of classrooms flagged
- Severe Concern = 25% or more of classrooms flagged

of Schools by Category



Preliminary review of the data removed the state's concern from some schools

CRCT Erasure Analysis

	2009	2010	2011	2012	2013	2014
Number of schools audited	1857	1889	1834	1833	1825	1811
Number of schools flagged	369	248	188	112	121	104
Number of Severe and Moderate schools	177	66	52	29	23	29
Number of schools monitored by State	N/A	97	51	52	34	40

Spring 2014
EOCT Erasure Analysis

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EOCT Erasure Analysis

GOSA repeated the erasure analysis on EOCT answer documents that was performed on CRCT answer documents since 2009:

- Analysis performed by NCS Pearson, Inc. on all EOCT answer documents for EOCT courses at the high school level.
- ≈ 405,926 answer documents scanned for Spring 2014 administration.
- Total wrong-to-right changes across a classroom were flagged at ≥3 SD above the state average.
- Third year completing EOCT audits.

EOCT Erasure Analysis

Analyzed answer documents from the Spring 2014 pencil and paper, main administration

10 EOCT Courses:

9th Grade Literature	American Literature
Economics	US History
Analytic Geometry Coordinate Algebra	GPS Geometry Math II
Physical Science	Biology

EOCT Erasure Analysis Results
Pencil and Paper

Spring 2013

The mean of WtR ranged from 0.305 to 0.494 across subjects.

Approximately 86% of the flagged schools had either

- Less than 10% of their classrooms flagged; or
- Fewer than 5 of their classrooms flagged.

Spring 2014

The mean of WtR ranged from 0.186 to 0.356 across subjects.

Approximately 99% of the flagged schools had either

- Less than 10% of their classrooms flagged; or
- Fewer than 5 of their classrooms flagged.

Data includes all schools where an EOCT test is administered

EOCT Erasure Analysis Results

WHAT DID WE LEARN?

The vast majority of students did not have an answer changed from wrong to right.

GOSA has identified classrooms that will require more information prior to being cleared.

Recommendations for the SBOE

- State monitors will continue to observe and inspect identified schools of concern for the 2015 Georgia Milestones test administration.
- Rotate teachers in minimal, moderate, and severe concern schools for the 2015 Georgia Milestones.
- Share data files with superintendents to facilitate:
  - Investigations undertaken independently by LEAs (with schools in minimal, moderate and/or severe concern),
  - Submit the results of the investigations to GOSA, and
  - Identify students adversely affected who may need supports or interventions.
- Conduct on-site audits as necessary.