

## How Much Growth is Enough to Make AYP

### North Dakota 2008 Title I Fall Conference

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## Targets

State Intermediate Achievement Goals, 2002-2014

Goals for Percentage of Students Scoring Proficient and Advanced in Reading/Math  
Graduation and Attendance Rate Goals

Subject/ Grades	School Years*												
	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	09-10	10-11	11-12	12-13	13-14
<b>Reading</b>													
4	65.1%			72.6%			82.6%			91.3%			100%
8	61.4%			71.1%			80.7%			90.4%			100%
11	NA			57.2%			71.5%			85.7%			100%
12	42.9%			NA			NA			NA			NA
<b>Math</b>													
4	45.7%			59.3%			72.9%			86.4%			100%
8	33.3%			50.0%			66.7%			83.3%			100%
11	NA			43.1%			52.1%			61.0%			100%
12	24.1%			NA			NA			NA			NA
<b>Graduation</b>	89.9%						73.09%**						
<b>Attendance</b>	93.0%												

\* During 2001-04 the state assessment was administered at the 12<sup>th</sup> grade. Since 2004-05 the state assessment has been administered at the 11<sup>th</sup> grade, to replace the 12<sup>th</sup> grade assessment.  
\*\*In 2005-06 the graduation goal was recalculated according to rules set forth within the State's Accountability Workbook. This new graduation goal will remain, unless amended by the state at a later time.

## Targets

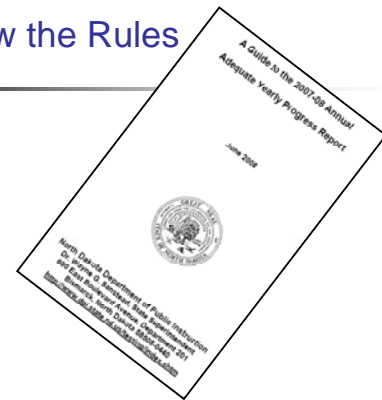
State Int

Goals for Percentage of

Subject/ Grades	School Years*				
	01-02	02-03	07-08	08-09	09-10
<b>Reading</b>					
4	65.1%		82.6%		91.3%
8	61.4%		80.7%		90.4%
11	NA		71.5%		85.7%
12	42.9%		NA		NA
<b>Math</b>					
4	45.7%		59.3%		72.9%
8	33.3%		50.0%		66.7%
11	NA		43.1%		52.1%
12	24.1%		NA		NA
<b>Graduation</b>	89.9%		66.7%		83.3%
<b>Attendance</b>	93.0%		62.1%		81.0%

\* During 2001-04 the state assessment has been administered at the 12<sup>th</sup> grade. Since 2004-05 the state assessment has been administered at the 11<sup>th</sup> grade, to replace the 12<sup>th</sup> grade assessment.  
\*\*In 2005-06 the graduation goal was recalculated according to rules set forth within the State's Accountability Workbook. This new graduation goal will remain, unless amended by the state at a later time.

## Know the Rules



## Know the Rules

- **173 instructional days** . . . prior to the assessment date. . . a full academic year spans the time from the end of the previous school year's assessment period (i.e., November 2007) and the end of the current school year's assessment period (i.e., November 2008).

## Know the Rules

- . . . students identified **by schools** and verified by the DPI as having fewer than 173 instructional days within the designated school district are removed from consideration in determining AYP. **School personnel** record the full academic year status of all students on the online assessment report that accompanies the North Dakota state assessments.

## Know the Rules

- ... any student who receives instruction within the same district but moves to another school within the district will be included fully into the determination of adequate yearly progress for the school, the district, and the state.

## Know the Rules

In determining AYP

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independent indicators are reviewed.

Indicators Referenced in Determining AYP

I. Primary Indicators: Student Achievement on State Assessment				
Population	Math Achievement	Math Student Participation (95%)	Reading Achievement	Reading Student Participation (95%)
Total	*	*	*	*
White students	*	*	*	*
Native American students	*	*	*	*
Black students	*	*	*	*
Asian students	*	*	*	*
Hispanic students	*	*	*	*
Other ethnicity students	*	*	*	*
Economic disadvantaged	*	*	*	*
Disabilities	*	*	*	*
Limited English Proficient	*	*	*	*
II. Secondary Indicators				
A. Elementary/Middle Schools: attendance rates			*	
B. High Schools: graduation rates			*	

### Review Process Summary.

**Five-tiered** review for achievement AYP determination:

1. Review of 2007-08 achievement data with a reliability test;
2. Review of 2006-07 and 2007-08 achievement data with a reliability test;
3. Review of 2005-06, 2006-07, and 2007-08 achievement data with a reliability test;
4. Determination of Safe Harbor;

### Review Process Summary

**Five-tiered** review for achievement AYP determination:

5. Review of targeted Title I student achievement data with a reliability test;
  - a. Review of 2007-08 achievement data with a reliability test;
  - b. Review of 2006-07 and 2007-08 achievement data with a reliability test;
  - c. Review of 2005-06, 2006-07, and 2007-08 achievement data with a reliability test;
  - d. Determination of Safe Harbor.

### Safe Harbor Provision

If students in a subgroup make a 10 percent reduction in the numbers of students not proficient, they are in a "safe harbor" and not considered as not making AYP.

**ALL subgroups** must meet safe harbor.

■ Example:

- Group A – 60% not proficient
  - 40% are proficient
  - 10% of 60 = 6%
- School needs a 6% decrease in the not proficient category to meet safe harbor.
- So, if only 54% of the students are not proficient the next year, the school has made a 10% improvement of the number of students who are not proficient, and it meets safe harbor.

If a school passes any of the five levels of review, the school is identified as  
 “Met adequate yearly progress.”

## Binomial Distribution

- Automatically applied at all levels
- Binomial distribution is a statistical reliability process.
- Schools get a benefit or leeway on their AYP score that ensures a 99.9% reliability so that a school is not misidentify as not meeting AYP based on a small number of students.

## What do the numbers mean?

Math		4th Grade -- 72.9%
2008 State Intermediate Goals		8th Grade -- 66.7%
		11th Grade -- 62.1%
Listed below are your district's scores		
Math	Achievement Goal	Achievement Result
Composite Score	66.24%	80.21%
		98.97%

Grade 7-12 School

## What do the numbers mean?

Subgroups:			
Economically disadvantaged	66.24%	79.41%	100.00%
Ethnicity:			
White	66.24%	79.35%	98.92%
Native American	54.80%	70.00%	100.00%
Black			
Asian			

## Know Your Numbers AYP Statistics Report

AYP Statistics											
Met Adequate yearly progress											
2005 reading goal= 73.80%		2004-05 reading goal = 69.18%		2003-04-05 reading goal = 67.33%		2005 math goal= 59.30%		2004-05 math goal = 52.08%		2003-04-05 math goal = 49.49%	
2003	2004	2005	2003	2004	2005	04-05	03-04-05	Final			
N	N	N	Rate	Rate	Rate	Avg	Ave	Rate			
Secondary Indicator											
Attendance	0	0	358								
Graduation	401	387	381	95.76%	96.03%	98.20%	97.09%	97.54%	98.20%		
All Students											
Reading Participation	399	387	344	99.25%	97.67%	99.42%	98.50%	98.76%	99.42%		
Reading Proficiency	399	387	344	53.03%	65.87%	77.19%	71.25%	64.76%	77.19%		
Math Participation	399	387	344	99.25%	97.67%	99.42%	98.50%	98.76%	99.42%		
Math Proficiency	399	387	344	33.84%	47.23%	68.53%	57.30%	48.97%	68.53%		
White Students											
Reading Participation	381	368	336	99.25%	97.67%	99.42%	98.50%	98.76%	99.42%		
Reading Proficiency	378	359	334	53.03%	65.87%	77.19%	71.25%	64.76%	77.19%		
Math Participation	381	368	336	99.25%	97.67%	99.42%	98.50%	98.76%	99.42%		
Math Proficiency	378	360	332	33.84%	47.23%	68.53%	57.30%	48.97%	68.53%		
Native American Students											
Reading Participation	9	10	3	-	100.00%	-	100.00%	100.00%	100.00%		
Reading Proficiency	9	10	3	-	60.00%	-	53.85%	0.55%	54.55%		
Math Participation	9	10	3	-	100.00%	-	100.00%	100.00%	100.00%		
Math Proficiency	9	10	3	-	30.00%	-	0.31%	40.91%	40.91%		

## Know Your Numbers AYP Statistics Report

### AYP Statistics

Met Adequate yearly progress

2005 reading goal= 73.80%      2004-05 reading goal = 69.18%      2003-04-05 Reaing goal = 67.53%  
 2006 math goal= 59.30%      2004-05 math goal = 52.08%      2003-04-05 math goal = 49.49%

## Know Your Numbers AYP Statistics Report

	2003	2004	2005
Reading Participation	381	368	336
Reading Proficiency	378	359	334
Math Participation	381	368	336
Math Proficiency	378	360	332
<b>Native American Students</b>			
Reading Participation	9	10	3
Reading Proficiency	9	10	3
Math Participation	9	10	3
Math Proficiency	9	10	3

## Know Your Numbers

Subgroups	Reading				Math			
	Year	Number that met state goal	Percent that met state goal	Actual % that met state goal	Year	Number that met state goal	Percent that met state goal	Actual % that met state goal
Overall	05	11,024	69.18%	69.18%	05	11,024	52.08%	52.08%
Economically Disadvantaged	05	4,124	58.24%	58.24%	05	4,124	49.49%	49.49%
Students with Disabilities	05	8,324	69.18%	69.18%	05	8,324	52.08%	52.08%
Students at Limited English Proficiency	05	1,000	69.18%	69.18%	05	1,000	52.08%	52.08%
<b>Major Ethnic Groups</b>								
White	05	8,324	69.18%	69.18%	05	8,324	52.08%	52.08%
Native American	05	1,000	69.18%	69.18%	05	1,000	52.08%	52.08%
Black	05	1,000	69.18%	69.18%	05	1,000	52.08%	52.08%
Hispanic	05	1,000	69.18%	69.18%	05	1,000	52.08%	52.08%
Other	05	1,000	69.18%	69.18%	05	1,000	52.08%	52.08%

Formula = CRITBINOM(Number of students tested, Goal percent, 0.1)  
 Directions: Enter the total number of students testing in each category into the first blue column, Column B.  
 Column C is (Yield) is the maximum number of students needed to meet AYP after applying the Binomial Distribution Formula.  
 Column D is (Yield) is the minimum percent of students needed to meet AYP after applying the Binomial Distribution Formula.  
 Column E is (Yield) is the Actual number of students needed to meet AYP before applying the Binomial Distribution Formula.

<http://www.dpi.state.nd.us/title1/target/general/reauthoriz/testing.shtm>

### Title I Programs

Toll-Free: 1-888-625-1951  
 Fax: 701-238-4776

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#### Testing and Adequate Yearly Progress

- Achieve3000, District, State, and Year Data
- Timeline - Consequences for Schools NOT Making Adequate Yearly Progress (AYP)
- Timeline - Consequences for Districts/NCJ Making Adequate Yearly Progress (AYP)
- North Dakota State Assessment Information
- Characteristics of Schools Required for Program Improvement
- Timeline on Testing and Assessment Systems with Disabilities (revised 1/04)
- Subgroups for Schools Reporting AYP
- Are You Doing Everything You Can to Meet AYP?
- Formula for Determining AYP
- AYP Cut Scores - Reading and Math
- AYP Cut Scores - Science
- North Dakota State Assessment Overview
- 3-Grade Annual Adequate Yearly Progress Report
- AYP and Statistical Proficiency
- Parent Notification Requirements
- Parent Notification Requirements

## Bottom Line:

- Know your students
- Know your numbers
- Keep Super accurate student data
- Check data
- Ask Questions