



Wyoming Department of Education

Dr. Jim McBride, Superintendent of Public Instruction

2020 Grand Avenue, Suite 500

Laramie, WY 82070

Phone 307-721-1900

Fax 307-721-1901

Website www.k12.wy.us

MEMORANDUM NO. 2010-111

TO: School District Superintendents
Principals

FROM: Anita Sullivan, Early Childhood Consultant
Educational Quality and Accountability Unit

DATE: May 28, 2010

SUBJECT: Data Results: Instructional Foundations for Kindergarten (IF-K)

INSTRUCTIONAL FOUNDATIONS FOR KINDERGARTEN DATA REPORTS:

The statewide data collection (WDE-453) on all kindergarten children in Wyoming was completed in November, 2009. A summary of the preliminary results of the fall 2009 IF-K data collection is attached. A full analysis of the data will be available at the 2010 Fall School Improvement Conference.

Purpose:

Readiness data from the 2009 fall collection with 100% of districts reporting, has been released to Wyoming kindergarten teachers and schools. The Instructional Foundations for Kindergarten provides information on entering kindergarten students and their functional performance on evidence-based predictors of school success. The instrument was developed through the Wyoming Department of Education by Wyoming teachers in both preschool and kindergarten. The University of Wyoming and Data Driven Enterprises conducted field tests and research for the past two years.

How will data be used?

Data collected will be used for identifying the status of young students and to establish a baseline and trends for data indicators on children entering kindergarten. Use of the data at the community level should support communications with preschool providers and parents of children entering kindergarten. Data will be used to improve early learning professional development, transitions and outcomes for students entering kindergarten.

Contact Information:

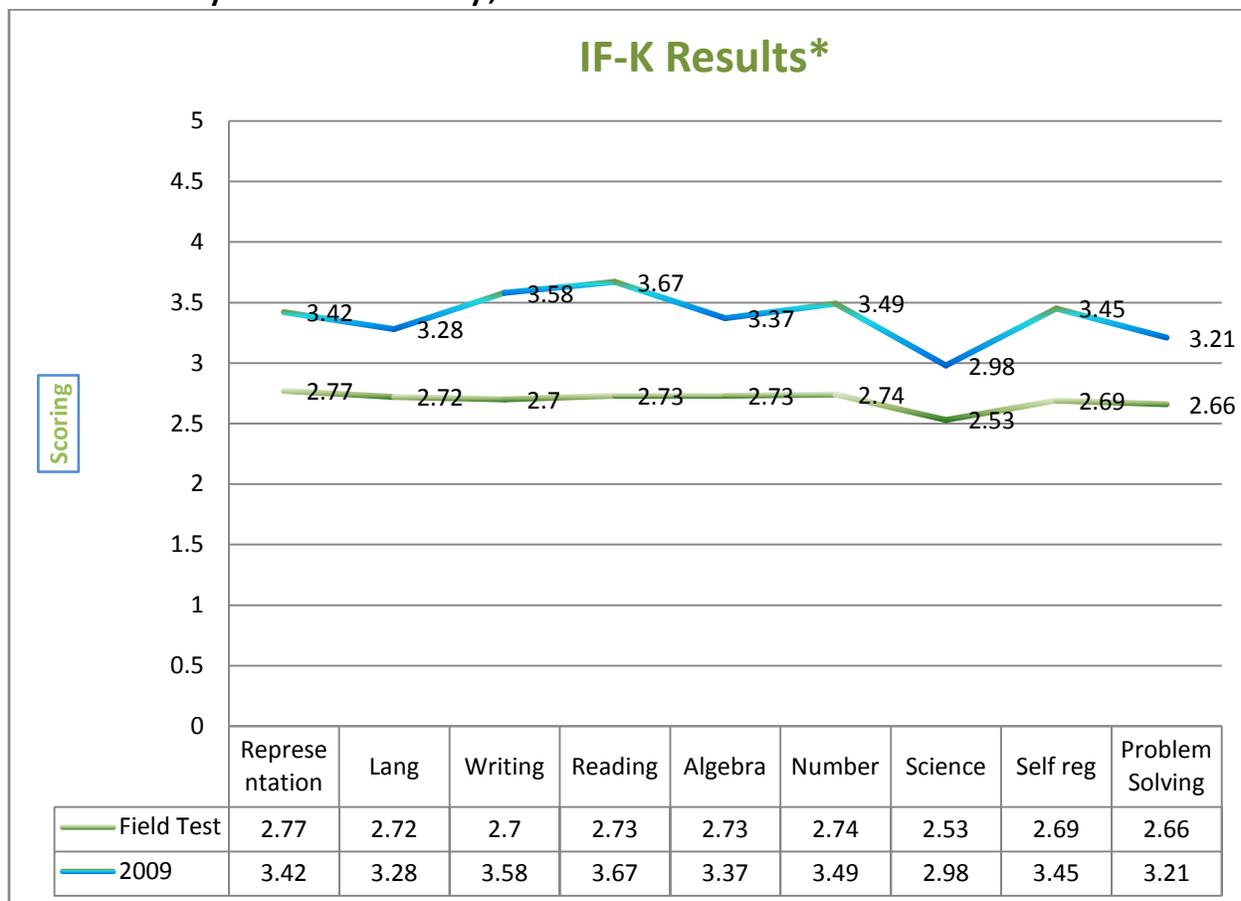
For information on the IF-K, please contact:

Anita Sullivan: asulli@educ.state.wy.us or 307-721-1915 or 307-760-3143

LC/AS/lh

Attachment

Preliminary Results- May, 2010



*The field test included 4 year old children in state and federal funded programs
scale: 1 to 5 rating in each area

Readiness of Wyoming Kindergarten Children

Representation	ability to use symbols and represent concepts
Language	complex vocabulary for communication and comprehension
Writing	understand relationship between spoken and written words
Reading	knowledge of print materials, their use, and simple text
Geometry/Algebra	understanding shapes and patterns
Number/Operations	knowledge of numbers and use in solving problems
Scientific thinking	create/ test hypotheses, properties and change
Self-regulation	ability to control impulses and use age appropriate behaviors
Social problem-solving	ability to get along and resolve conflicts with peers/adults

Preliminary Results- May, 2010

Number and Percent of Students by Race/Ethnicity

Note: Students were placed in only one category using U.S. Department of Education's reporting guidelines.

Ethnicity	Frequency	Percent
Hispanic	1012	14%
Multi-racial	94	1%
Asian	56	1%
Black	85	1%
Native American	260	4%
Pacific Islander	10	0%
White	5690	79%
Total	7207	100%

Number and Percent of Students by Age Note: Age is calculated as of October 1, 2009

Age	Frequency	Percent
5 years	75	1%
5 years 1 month through 5 years 3 months	1,379	19%
5 years 4 months through 5 years 6 months	1,645	23%
5 years 7 months through 5 years 9 months	1,575	22%
5 years 10 months through 6 years	1,536	21%
6 years 1 month through 6 years 3 months	593	8%
6 years 4 months through 6 years 6 months	234	3%
6 years 7 months and older	132	2%

Number and Percent of Students who are Receiving a Given Service in Kindergarten

School Services	Frequency	Percent
ELL	312	4%
Title 1	2,804	39%
Free/ Reduced Lunch	2,994	42%
Special ED	1,128	15%

Preliminary Results- May, 2010

Number and Percent of Students Receiving a Given Type of Childcare Service prior to Kindergarten

Note: Students could receive more than one type of childcare service. Numbers depended on teacher knowledge of previous services.

Childcare Programs	Number known to have received service	Number known not to have received service	Percent known to have received service
Head Start	986	4165	19%
TANF	207	4,318	5%
Public School Preschool	985	4,386	18%
Other early childhood program	3,033	2,249	57%
Other	660	2987	18%

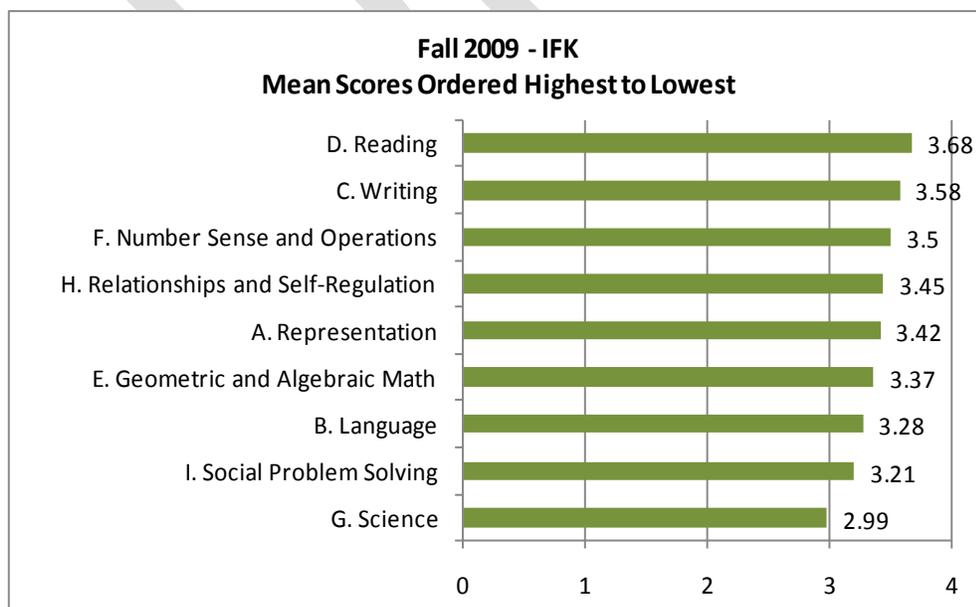
Screenings

- Kindergarten teachers were asked to indicate the type of screening each student had received.
- 31-89% of the kindergarten students have been screened for health, vision, hearing, development, and social-emotional issues.
 - Over 85% have been screened for vision and hearing.
 - 31% have been screened for social-emotional

Number and Percent of Students Receiving a Particular Type of Screening

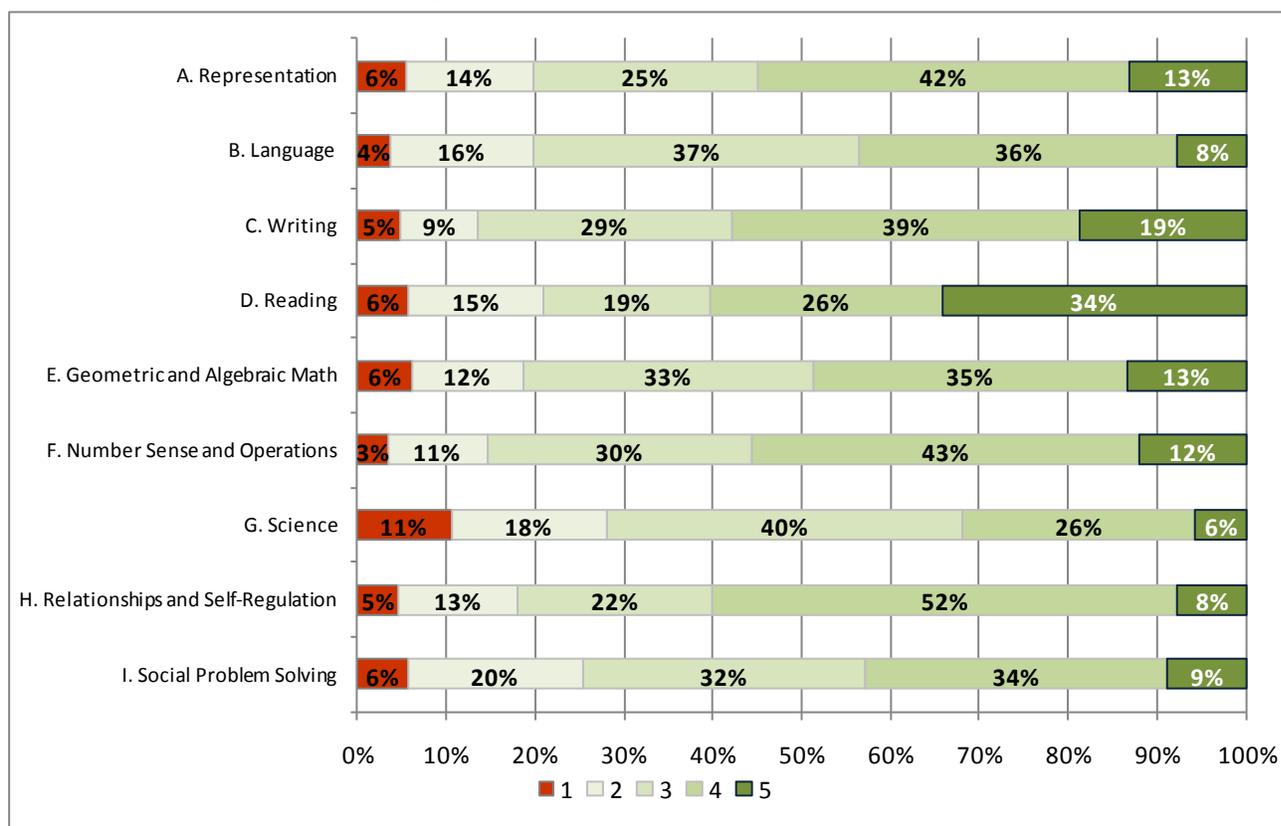
Screening Tests	Frequency	Percent
Health	4,569	68%
Vision	6,175	86%
Hearing	6,328	89%
Development	3,500	52%
Social Emotional	2,018	31%

Mean Foundation Area Scores, Fall 2009 Sorted by Mean Score



Preliminary Results- May, 2010

Percent of students who received a given score

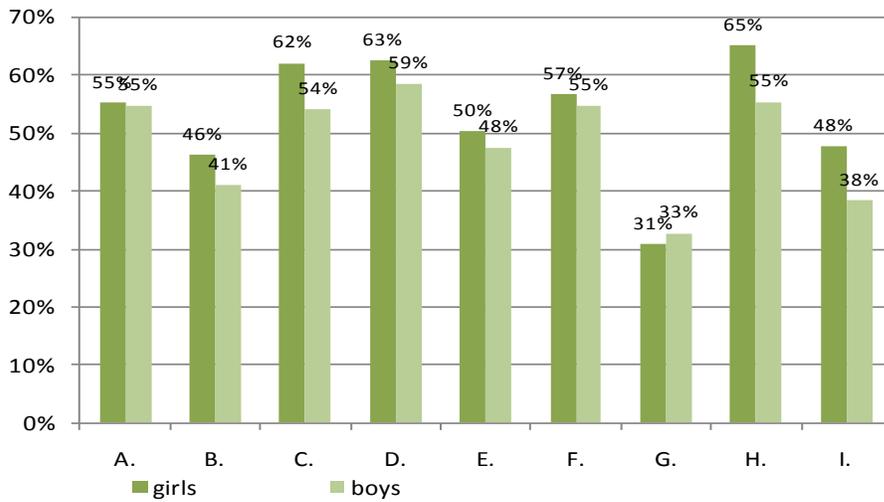


Percent of students for whom Item 4 or 5 was chosen as being the most representative of the student

Score	Fall 2009
A. Representation	54.86%
B. Language	43.42%
C. Writing	57.71%
D. Reading	60.16%
E. Geometric and Algebraic Math	48.70%
F. Number Sense and Operations	55.41%
G. Science	31.68%
H. Relationships and Self-Regulation	59.93%
I. Social Problem Solving	42.75%

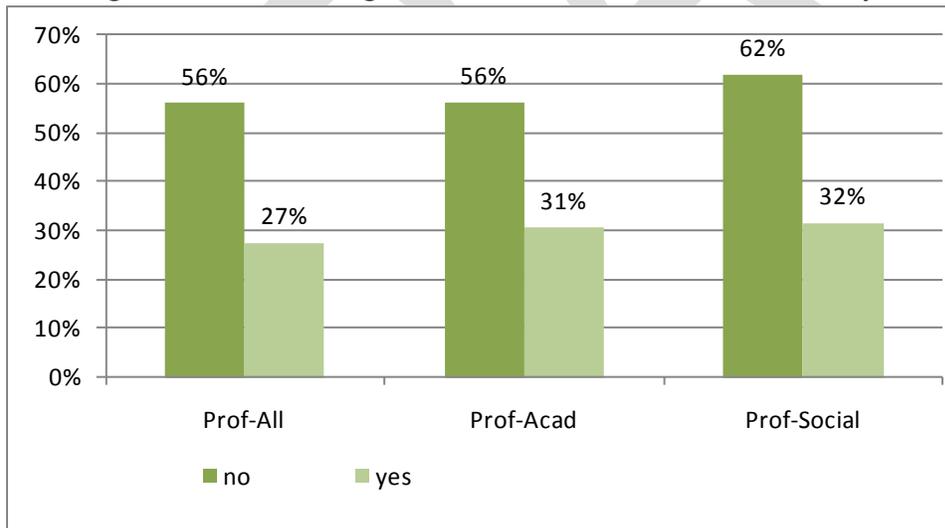
Preliminary Results- May, 2010

Percentage of Students Scoring a 4 or 5 on Each Foundation Area by Gender



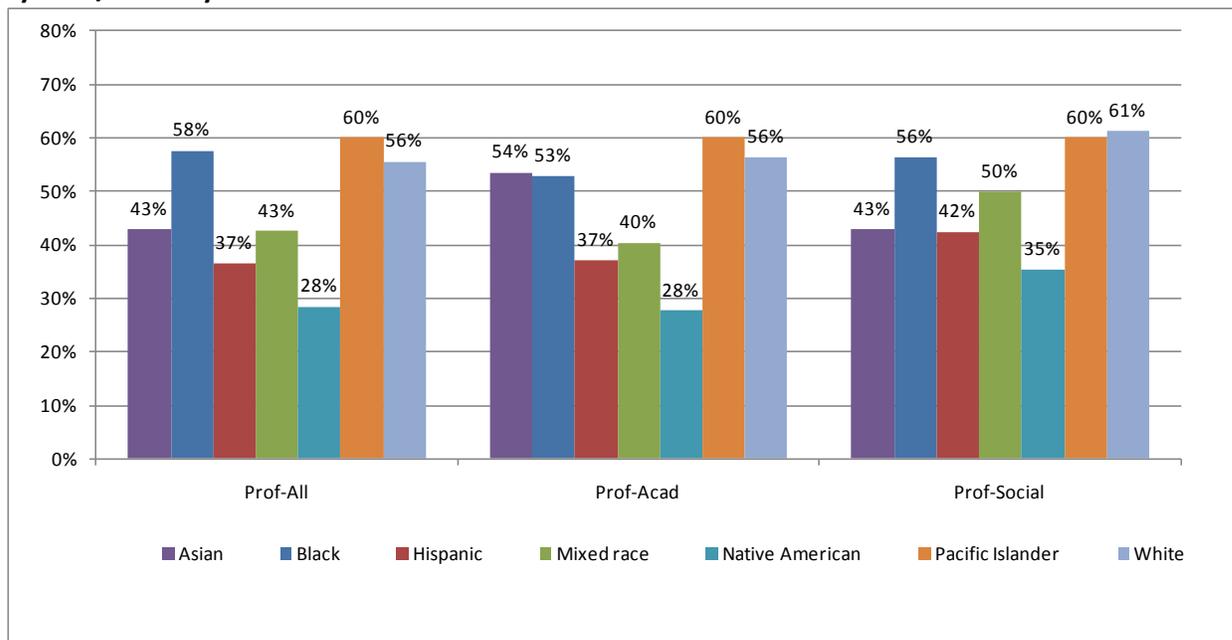
The IF-K Results were organized into three scales that were used to look at student performance in specific foundation components: 1. All Areas; 2. Academic; and 3. Social Emotional

Percentage of Students Scoring Proficient on Each of the Three Scales by IEP Status



Preliminary Results- May, 2010

**Percentage of Students Scoring Proficient on Each of the Three Scales
By Race/Ethnicity**



Percentage of Kindergarten Teachers Indicating the IF-K represented their Curriculum

Foundation Area	Yes	Somewhat	No
a. Representation	65%	27%	8%
b. Language	89%	10%	1%
c. Writing	90%	9%	1%
d. Reading	92%	6%	2%
e. Geometric and Algebraic Math	87%	11%	2%
f. Number Sense and Operations	88%	11%	1%
g. Science	50%	38%	12%
h. Relationships and Self-Regulation	62%	29%	9%
i. Social Problem Solving	58%	33%	9%

Preliminary Results- May, 2010

Kindergarten Teacher Education and Experience

Percentage of Kindergarten Teachers with a Given Degree

Degree Type	AA	BA/BS	MA/MS	PhD
a. Early Childhood Education	5%	9%	3%	0%
b. Child Development	<1%	1%	0%	0%
c. Child and Family Studies	0%	1%	0%	0%
d. Elementary Education	0%	79%	15%	0%
e. Social Work	<1%	1%	0%	0%
f. Other	2%	7%	11%	0%

Percentage of Kindergarten Teachers with a Given Number of Years of Kindergarten Teaching Experience

# years	Percent
0-2 years	27%
3-5 years	25%
6-10 years	23%
11-15 years	10%
16-20 years	7%
21-25 years	2%
26+ years	5%