



New Mexico Standards Validation

November 16, 2022

PED

Lynn Vasquez – Assessment & LMS Division Director

Nick Salazar – Assistant Director of Assessment

Cognia

Larry Ehret – Lead Program Manager

Matthew Gushta – Vice President Research and Analytics

Sarah Owens – Sr. Program Manager

Mara Allaire – Program Manager

Greg Howell – Director Mountain Region

Karen Whisler – Director Content Development



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Agenda

1. Overview of MSSA Standard Setting Process and Results
2. Overview of iMSSA Standards Validation Process and Results
3. Using iMSAA results

Overview of Standard Setting Process and Results

MSSA

Standard Setting Process

- The Item-Descriptor (ID) Matching method was used
 - The workshop was held from July 11th-15th of 2022. 67 panelists participated in the standard setting
 - 67 Panelists chosen by PED with extensive teaching experience and content knowledge
 - 8-11 Panelists per grade band and subject area.
 - Approved cuts used to guide iMSSA standards validation

Panel Demographic Breakdown

Demographic	Total	Percent
Asian/Pacific Islander	10	14.93%
Black	2	2.99%
Hispanic	18	26.87%
Prefer not to answer	1	1.49%
White	26	38.81%
Blanks	10	14.93%
Total	67	100%

Standard Setting Results

ELA

Grade	Novice %	Nearing Proficient %	Proficient %	Advanced %	Proficient + Advanced %
3	26.86	40.58	16.20	16.36	32.57
4	30.38	33.64	21.60	14.37	35.98
5	34.44	29.66	22.17	13.73	35.90
6	22.14	44.65	20.14	13.07	33.20
7	19.79	45.23	20.74	14.25	34.98
8	33.35	33.16	16.39	17.09	33.48

Math

Grade	Novice %	Nearing Proficient %	Proficient %	Advanced %	Proficient + Advanced %
3	46.42	30.84	18.46	4.28	22.73
4	47.99	27.45	20.02	4.54	24.56
5	44.61	24.80	21.21	9.38	30.59
6	41.26	25.98	25.55	7.21	32.76
7	48.82	26.12	14.32	10.75	25.07
8	37.92	42.17	17.46	2.45	19.91

Standard Setting Results

Science

Grade	Novice %	Nearing Proficient %	Proficient %	Advanced %	Proficient + Advanced %
5	32.09	39.27	22.05	6.59	28.64
8	22.98	49.98	26.02	1.02	27.04
11	31.95	29.10	38.02	0.93	38.95

Overview of Standards Validation Process and Results

iMSSA

Process, Results, Evaluation

- Purpose
 - To evaluate and suggest cut points on iMSSA reading, language usage, math assessments appropriate for the NM educational context
- Logistics
 - Conducted virtually, August 1-2
 - 16 panelists recruited by PED reflecting a range of classroom teachers and administrators
 - Each panelist engaged in all grades within a subject
 - Panelists were organized according to the domain (Reading, Language Usage, or Math) in which each panelist had the most professional experience.

Process, Results, Evaluation

- Process
 - Same Item Descriptor Matching Method as MSSA; panelists align item demands to borderline performance descriptions
 - Panelists reviewed ordered item content especially focused around target cut score locations
 - Target cut scores identified as % at/above performance level on MSSA
- Outcomes
 - Adjustments were recommended on all tests
 - Recommendations provided and reviewed with PED
 - Updated cut points included in the FY23 BOY administration onward

Standards Validation Applied to 2021-2022 iMSSA EOY

iMSSA Reading Spring 2022 EOY

Grade	Needs Support%	Near Target%	On Target%
3	42	23	35
4	37	24	39
5	26	37	37
6	39	32	29
7	23	40	37
8	41	23	36

iMSSA Language Usage Spring 2022 EOY

Grade	Needs Support%	Near Target%	On Target%
3	33	32	35
4	33	28	39
5	23	37	40
6	20	46	34
7	29	34	37
8	28	47	25

MSSA Spring 2022
Lang. Arts

Grade	L.A
3	32%
4	35%
5	36%
6	33%
7	35%
8	33%

Standards Validation Applied to 2021-2022 iMSSA EOY

iMSSA Math Spring 2022 EOY

Grade	Needs Support%	Near Target%	On Target%
3	42	36	22
4	43	32	25
5	33	35	32
6	39	28	33
7	30	46	24
8	38	36	26

Math Spring 2022 MSSA

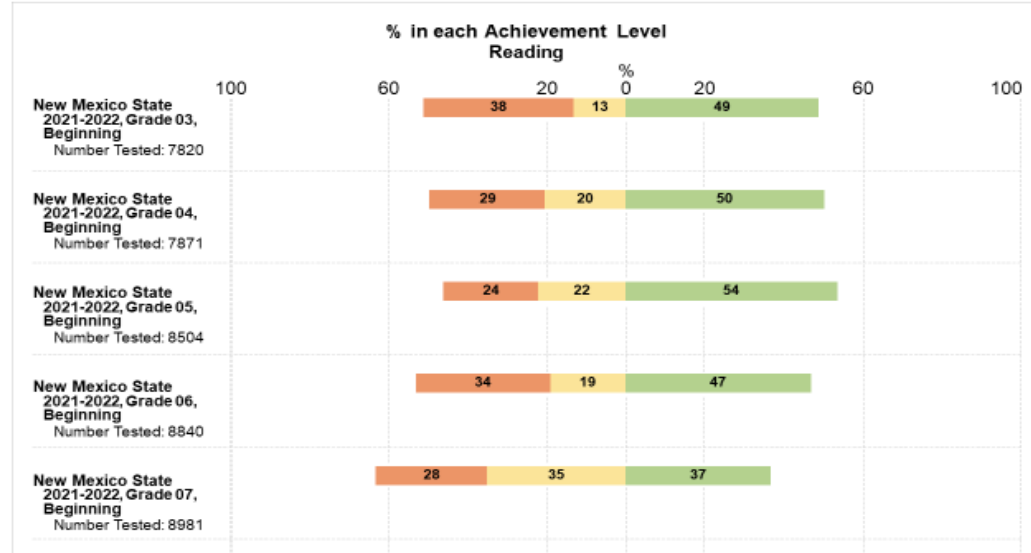
Grade	Math
3	23%
4	24%
5	31%
6	32%
7	25%
8	20%

BOY Reading

2021-2022 BOY

Achievement Summary: iMSSA, New Mexico State, 2021-2022, Beginning

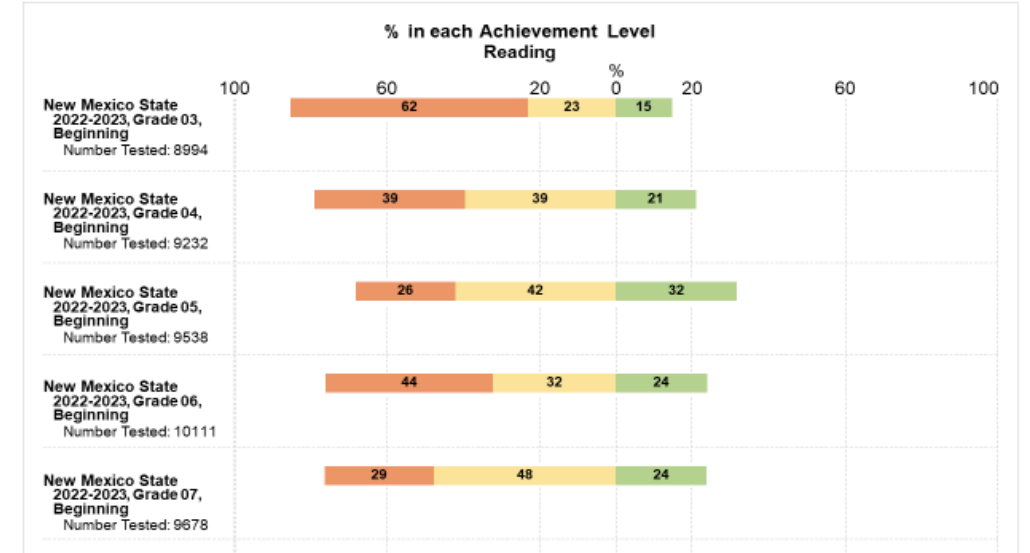
Sort By: None ☐



2022-2023 BOY

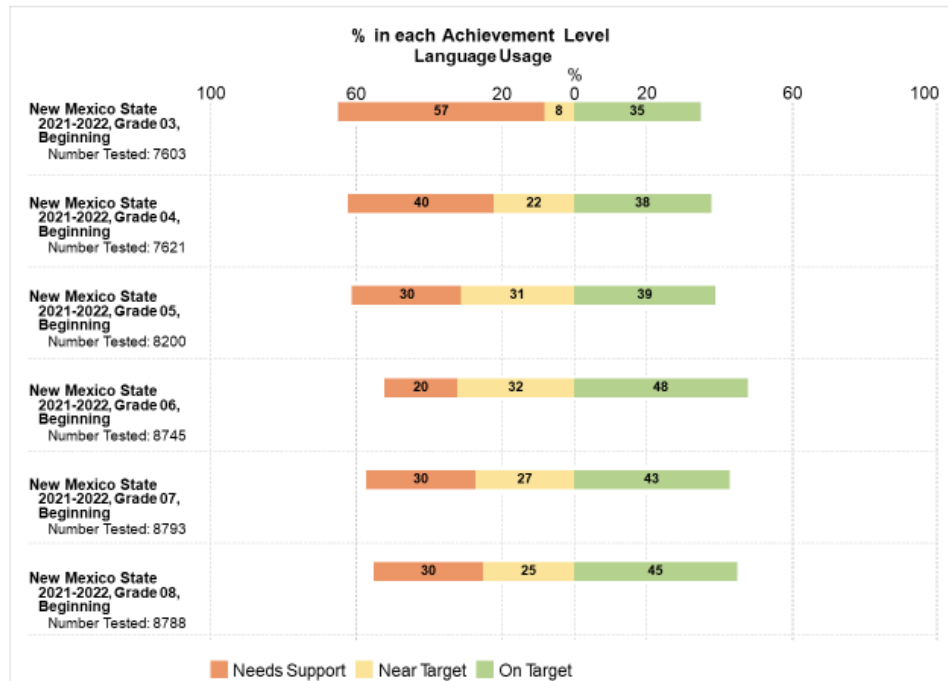
Achievement Summary: iMSSA, New Mexico State, 2022-2023, Beginning

Sort By: None ☐

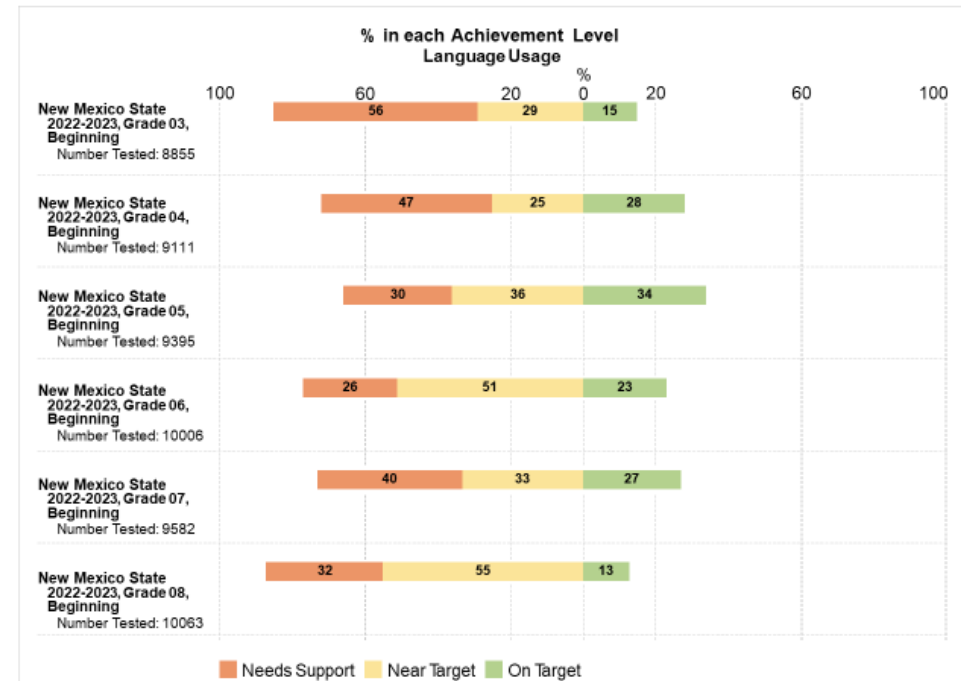


BOY Language Usage

2021-2022 BOY

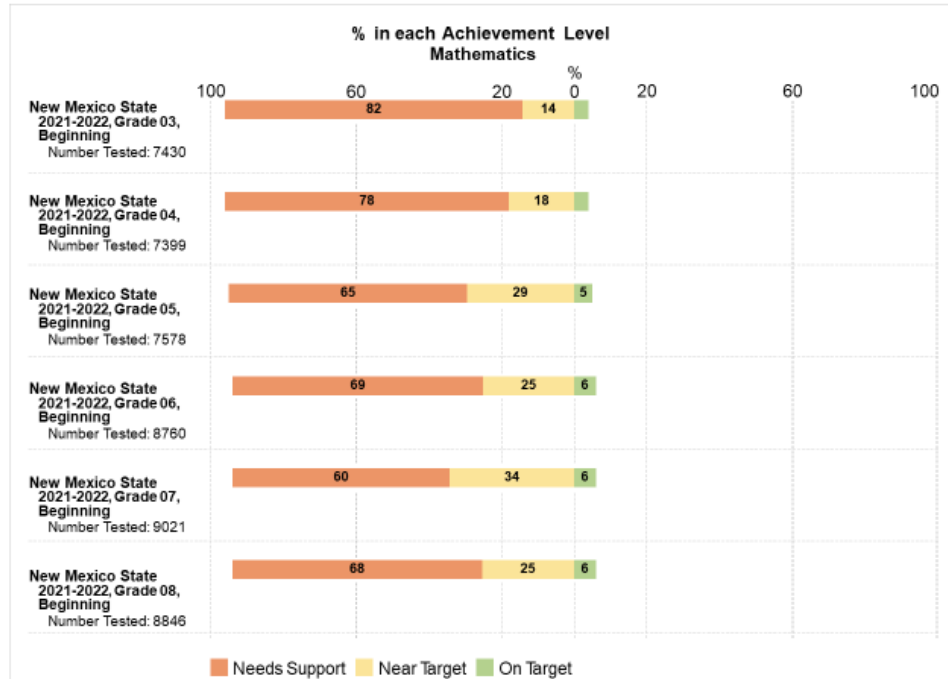


2022-2023 BOY

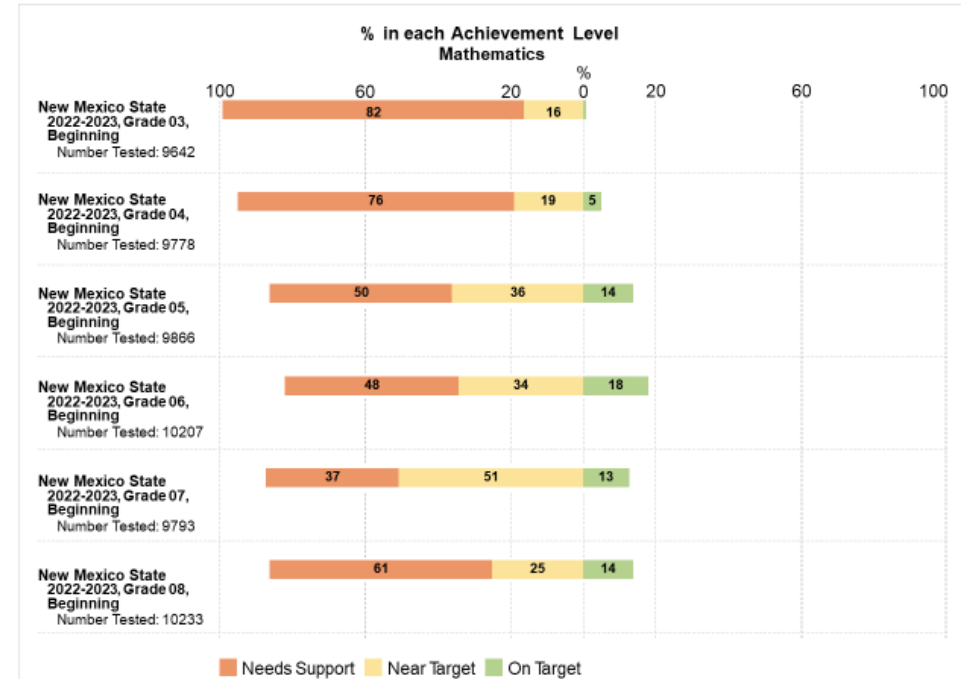


BOY Math

2021-2022 BOY



2022-2023 BOY



Using iMSSA Results

Test design

- iMSSA tests are designed to measure students' knowledge and skill of the New Mexico college- and career-ready content standards by subject and grade
- MSSA designed to assess the same content standards
- Similar test designs between iMSSA and MSSA; similar blueprints and item types

Educators, schools, and districts can use results from iMSSA to...

- ...Describe student achievement with respect to mastery of the content standards.
- ...Predict mastery of the content standards by the end of the school year.
- ...Monitor student progress towards mastery of content standards throughout the school year.
- ...Support instructional planning for groups of students.

Messaging – iMSSA – MSSA Connection

- Standard Setting – MSSA
- Standards Validation iMSSA
- iMSSA and MSSA; similar blueprints and item types
 - Similarity of content standards
 - iMSSA as one (of multiple) indicator of progress towards MSSA proficiency
- Post SS and SV Cognia can confirm that performance on the iMSSA can be used as an indicator of how likely a student is to be Proficient or above on the MSSA.

Questions?



Knowledge is Opportunity



Cognia is a global nonprofit that has the knowledge to help schools improve outcomes for all learners.

