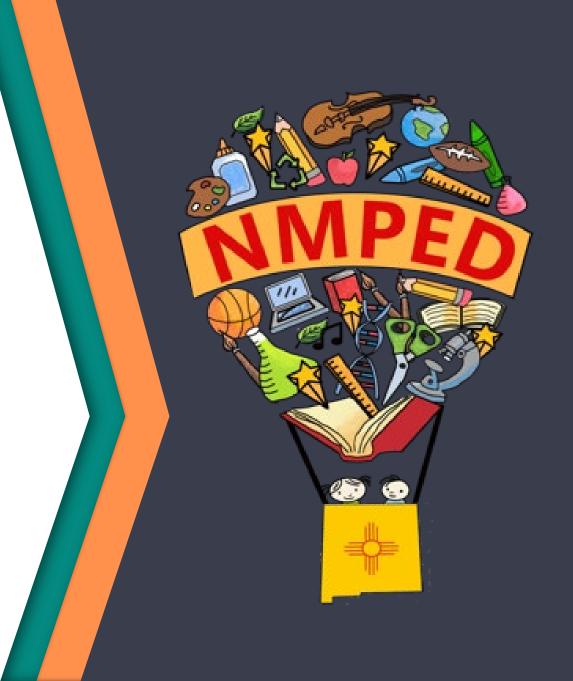# NM VISTAS & District/State Report Cards

Proficiency

School Year 2022-2023

Investing for tomorrow, delivering today.

Data Sources

- <u>All Valid Tests (AVT)</u>: File created by REA from summative test vendor-provided files, AVE which includes student demographics, and an indicator AccountabilityModel = 1 if test included in proficiency calculations

  - To run proficiency calculations, only records with AccountabilityModel = 1 are retained

- Participation rates calculated separately—See Participation technical guide

All Valid Tests (AVT)

- All Valid Tests (AVT) includes all test scores and test attempts/rostering for DLM, SBA, SAT, MSSA/ASR end-of-year summative testing

- AVT also includes grades K-2 iStation end-of-year (EOY) highest score from assessments completed during the EOY testing window (April 1 – May 31)
  - For the Accountability Model proficiency and test participation analyses, iStation only includes K-2 scores from schools that EXCLUSIVELY enroll grades preK-2

- An Accountability Model variable (AccountabilityModel) indicates whether the record is included in accountability model analysis for NM VISTAS and District/State Report Cards
  - If the Accountability Model value is 0, the record is excluded from proficiency and test participation calculations for reasons listed in the Exclude from Accountability Reason (ExclAccoutabilityReason) variable
  - Reasons for exclusion are described on separate slides

Overview of AVT: Variables & Subgroups

General	Eligible / Days Enrolled/ Accountable Entity Participation	Subgroups	Subgroups, *cont.*
Student ID Student Names Birthdate AVE and AVT District Number/Name AVE and AVT School Number/Name Years in US schools Enrolled grade level Test grade (vendor file)	Eligible School, District, State days enrolled Accountable School, District, and State (Test) Participation denominator (Test) Participation school Eligible_EnrolledGE90D_AccountableSchool	Female.2 Male.3 Hispanic.4 White.5 Black.6 Asian.7 Native.8 Multirace.9 FRL.10 NotFRL.11	DirectCert.12 NotDirectCert.13 SwD.14 NotSwD.15 EL.16 NotEL.17 Migrant.18 Homeless.19 Military.20 Foster.21 Any_Native.22 Any_Black.23

Overview of AVT: Variables & Subgroups *(cont.)*

Test	Accountability Model	Additional Variables from AVE/STARS

Test Name
Subtest/Subject
SS (scaled score)
PL (proficiency level)
Proficient (0, 1)
Test Language
Invalidated
Medical Waiver
UpTestWaiver
EL Waiver
Alternate (Assessment)
Accommodations
CBT (Computer based test)
	SameSchool_EnrolledGE90D_
	   Enrolled120DEOY
	SameSchool_AccountabilityModel
	AccountabilityModel
	   (inclusion/exclusion)
	ExclAccountabiltyReason
	
	Additional Student-Level Indicators
	ForeignExchStudent
	PrimaryDisabilityCode
	Plan 504
		STUDENT_GENDER
		HISPANIC_IND
		RACE1_CODE, RACE2_CODE
		RACE3_CODE, RACE4_CODE
		RACE5_CODE
		RPTG_RACE_ETHNICITY_DESC
		ECONOMIC_CODE_IFEVER
		POVERTY_CODE_IFEVER
		SPECIAL_ED_CODE_IFEVER
		ENG_PROFICIENCY_IFEVER
		HOMELESS_IFEVER
		MILITARY_FAMILY_DESC

Definitions and Coding of Demographic Subgroups

Subgroup	How to Code?
2.Female	Female students
3.Male	Male students
4.Hispanic	Students who are Hispanic
5.White	White students; Caucasian in Race1 variable, Race2 variable is empty/missing
6.Black	Black students; Black/African American in Race1 variable, Race2 variable is empty/missing
7.Asian	Asian students; Asian, Native Hawaiian, or other Pacific Islander in Race1 variable, Race2 variable is empty/missing
8.Native	Native students; American Indian or Alaskan Native in Race1 variable, Race2 is empty/missing
9.Multi	Multirace students; values in both Race1 and Race2 variables
10.FRL	Students who qualify for free or reduced lunch
11.NotFRL	Students who do not qualify for FRL
12.DirCert	Students with direct certification for SNAP or related benefits
13.NotDirCert	Students not certified to receive SNAP or related benefits
14.SwD	Students with disabilities
15.NotSwD	Students without disabilities
16.EL	English Learners
17.NotEL	Students not identified as English Learners
18.Migrant	Migrant students; data for this variable were obtained through PED Title 1 Bureau (not STARS)
19.Homeless	Homeless students
20.Military	Students with a parent in the military, including active duty, National Guard, and Reserves
21.Foster	Students with foster placement; data for this variable were obtained through PED (not STARS)
22.Any_Native	Students who marked Native American/American Indian in any of the five race categories
23.Any_Black	Students who marked Black in any of the five race categories

Exclusions from Accountability Model

- Student ID is not included in AVE file (local school ID used, homeschooled student, etc.) and Assessment Bureau was unable to locate in STARS
- No district/school included for case in vendor-provided test file and Assessment Bureau was unable to locate in STARS for DLM, SBA, SAT, MSSA/ASR or using domain for iStation
- Accountable school (enrolled for at least 90 days) as well as schools at 3rd and 4th reporting periods not all the same
- Foreign exchange student
- Medical waiver
- Invalid test waiver or invalid test indicator in vendor-provided test file
- Uptested without out-of-grade waiver
- Downtested (Enrolled Grade > Tested Grade)
- Tested with enrolled grade = 12
- Duplicate test record within the same assessment; the accountability model retains the highest proficiency level test

EL Waiver Exclusions

- EL Waivers and Tests Taken in Spanish

  - Records with Years in US Schools = 0, 1, or 2 do not need an EL waiver to take an assessment in Spanish and were included in the accountability model (unless excluded for other reasons)

  - Records with Years in US Schools = 3 or 4 are required to have an approved EL waiver to take an assessment in Spanish. They were excluded from the accountability model if no Assessment Bureau approved waiver

  - Records with Years in US schools = 5 or with missing Years in US Schools who took an assessment in Spanish were excluded from the accountability model

Consecutive Years in U.S. School (include kindergarten) US SYs INCLUDE Kinder
Year Zero (0-12mos)- Waiver NOT required - DO NOT submit
1st yr - Waiver NOT required - DO NOT submit
2nd yr - Waiver NOT required - DO NOT submit
3rd yr - Waiver required
4th yr - Waiver required
5th yr - Waivers not granted - DO NOT submit

iStation Exclusions

- iStation EOY scores are used ONLY for schools that exclusively enroll kindergarten, 1st and/or 2nd grade students (i.e., no grades above 2nd)

- For 2023 data, some schools were missing

  - State Student IDs

  - School/District Numbers

- With missing State Student IDs and school/district information, these students could not be included in proficiency and participation calculations

Multiple Assessments Exclusions

- If a student completed multiple assessments and those assessments were not excluded for other reasons, the following order of selection rules were applied such that each student had **one remaining valid test score per subject/subtest** (ELA, Math, Science), regardless of proficiency level:

  1. DLM and Alternate = 1

  2. SBA

  3. SAT

  4. MSSA/ASR

  5. iStation (K-2 only, and only for schools enrolling only preK-2 grades)

  6. DLM and Alternate = 0

Proficiency Levels

- DLM: The vendor-provided file includes a proficiency level, Performance_Level
  - Performance_Level = 9 indicates an invalidated or incomplete test and is excluded

- SBA: The vendor-provided file includes a proficiency level, ReadPerformanceLevel

- SAT: The vendor-provided file includes scaled scores, recoded into proficiency levels per SAT-Performance-Levels.pdf (state.nm.us)

- MSSA/ASR: The vendor-provided file includes a proficiency level, AchLevel

- iStation: The vendor-provided file includes a proficiency level, Overall_LEVEL; the highest score achieved during the EOY window is retained

SAT Level	ELA	Math
Level 1	200 – 410	200 – 410
Level 2	420 - 470	420 – 520
Level 3	480 - 620	530 – 640
Level 4	630 - 800	650 - 800

Proficient Indicator (0, 1)

- DLM: If the Proficiency Level Indicator Performance_Level is **3 or greater**, Proficient = Yes (1)

- SBA: If the Proficiency Level is **3 or greater**, Proficient = Yes (1)

- SAT:
  - ELA: If **ELA Scaled Score is greater than or equal to 480**, Proficient = Yes (1)
  - Math: If **Math Scaled Score is greater than or equal to 530**, Proficient = Yes (1)

- MSSA/ASR: If the Proficiency Level is **3 or greater**, Proficient = Yes (1)

- iStation: If the Proficiency Level is **4 or greater**, Proficient = Yes (1)

Proficiency Calculations

- Proficiency rate = $\dfrac{\text{\# of students who were proficient}}{\text{All students with a correctly-administered test}}$

- Subgroup calculations for proficiency rate = $\dfrac{\text{\# of students in subgroup who were proficient}}{\text{All students in subgroup with a correctly-administered test}}$

  - To calculate subgroup variables:

    Numerator: If in accountability model and proficient and in subgroup, subgroup.proficient = 1
    Denominator: If in accountability model and in subgroup, subgroup.test = 1

Attenuating Proficiency

- Only the All Students group is attenuated

- If the test participation rate ≥ 95%, no change to the rate is needed

- If the test participation rate < 95% (0.95)
  - Attenuation factor = Participation rate ÷ 0.95
  - For example, if the participation rate is 77% or 0.77, the attenuation factor is 0.77 ÷ 0.95 = 0.7315

- To calculate attenuated proficiency, multiple the original proficiency by the attenuation factor

$$Attenuated\ proficiency = \frac{Participation\ rate}{0.95}(Original\ proficiency)$$

Accountable School Assignment

- Sometimes, the school at which a student is tested is NOT the same as the Accountable School.

- The Accountable School is the school at which a student was enrolled at least 90 days.

- The (test) Participation School is the school at which the student was enrolled during the testing window, as shown by being enrolled at the SAME school in BOTH 3rd and 4th reporting periods.

- To be included in the **Accountability Model for proficiency calculations** (Accountability Model = 1)**,** the student must have a score from a correctly administered assessment AND the Accountable School and (test) Participation School MUST BE THE SAME.

- To be included in the **Test Participation Model for participation calculations**, students must have a test score for a correctly administered assessment (Test.Participation = 1) OR not have a valid test score but be enrolled at the same school in both the 3rd and 4th reporting periods (Participation = 1).

Thank you

Please submit all questions and appeals to New Mexico Vistas Questions and Appeals Form

NM Vistas - School, LEA, and State Data Questions and Appeal Form