



Minnesota Teacher Licensure ExaminationsSM

Technical Report
2016–2017

October 2017

TABLE OF CONTENTS

Preface.....	ii
Section I: Purpose of the Minnesota Teacher Licensure Examinations SM	1
Introduction.....	1
Composition of the MTLE SM Program.....	1
MTLE SM tests offered during 2016–2017 Program Year	2
Program Enhancements	3
Section II: Findings: September 2016–August 2017	6
Interpretive Cautions	7
Glossary of Terms	8
References.....	11
Appendices.....	12

PREFACE

Evaluation Systems group of Pearson (Pearson) prepared this document for the Minnesota Board of Teaching (BOT). It provides information about the Minnesota Teacher Licensure ExaminationsSM program (MTLESM).

The first section of the report describes the purpose, structure, and composition of the MTLESM, including a listing of the tests administered during the 2016–2017 program year. It also includes information regarding enhancements that Pearson has implemented in an effort to continually improve the MTLESM.

The second section of the report provides information on the candidates' performance on the tests as well as the technical properties of the tests based on the data from the 2016–2017 program year.

SECTION I: Purpose of the Minnesota Teacher Licensure ExaminationsSM

Introduction

Evaluation Systems group of Pearson has developed the Minnesota Teacher Licensure ExaminationsSM (MTLESM) program on behalf of the Minnesota Board of Teaching (BOT). The main purpose of the MTLESM program is to assist the BOT in identifying those candidates who have the basic skills, pedagogical, and content area knowledge needed to obtain an initial Minnesota teaching license. Examinations for licensure are required by Minnesota Rules Chapter 8710, and the MTLESM tests are based on and aligned to the Minnesota Teacher Standards.

The MTLESM program became operational in September 2010 and includes essential academic skills, pedagogy, and content area tests. Please refer to the following page for a complete list of the tests available for administration during the 2016–2017 program year. Each test in the MTLESM program was developed in accordance with the practices recommended by the *Standards for Educational and Psychological Testing* (AERA, APA, & NCME, 2014), which require a clear definition of content domain and a rationale to support a claim that the knowledge and skills being assessed in a licensure test are required for credential-worthy performance. To verify that the MTLESM reflect the knowledge and skills essential to an entry-level Minnesota educator, Pearson used the Minnesota Teacher Standards to draft test frameworks for each test field. Minnesota educators and educator preparation faculty reviewed test materials to confirm that they reflect the knowledge and skills a Minnesota educator must possess to receive a license in a given field. Minnesota educators also provided recommendations used by the BOT to establish a passing standard for each test.

Composition of the MTLESM Program

Currently, the MTLESM program includes 38 examinations for the fields listed on the following page. The major features of the MTLESM test designs are as follows:

- All examinations are offered on computer.
- Most examinations include two subtests that cover the range of knowledge and skills needed for entry-level teaching in Minnesota.
- The Minnesota NES Essential Academic Skills (EAS) and Elementary Education examinations each include three subtests.
- Most of the MTLESM tests consist of selected-response (multiple-choice) items only.
- The Minnesota NES Essential Academic Skills (EAS) Writing subtest consists of selected-response (multiple-choice) and one constructed-response item.
- All the World Language Examinations (with the Exception of Chinese (Mandarin)) consist of both selected-response (multiple-choice) and constructed-response items; the Chinese (Mandarin) World Language Examination consists of constructed-response items only.

MTLESM Tests Offered during 2016–2017 Program Year

Essential Academic Skills (EAS) Test:

Minnesota NES Essential Academic Skills (EAS)

- 188 Subtest I: Reading
- 189 Subtest II: Writing
- 190 Subtest III: Mathematics

Pedagogy Tests:

- 010, 011 Pedagogy: Early Childhood (Birth to Grade 3)
- 012, 013 Pedagogy: Elementary (Grades K-6)
- 014, 015 Pedagogy: Secondary (Grades 5-12)

Content Area Tests:

- 020, 021 Early Childhood Education (Birth to Grade 3)
- 022, 023 PrePrimary (Age 3 to PreKindergarten)
- 024, 025, 026 Elementary Education (Grades K-6)
- 030, 031 Middle Level Communication Arts/Literature (Grades 5-8)
- 032, 033 Middle Level Social Studies (Grades 5-8)
- 034, 035 Middle Level Mathematics (Grades 5-8)
- 036, 037 Middle Level Science (Grades 5-8)
- 050, 051 Communication Arts/Literature (Grades 5-12)
- 052, 053 Social Studies (Grades 5-12)
- 054, 055 Mathematics (Grades 5-12)
- 056, 057 Health (Grades 5-12)
- 058, 059 Chemistry (Grades 9-12)
- 060, 061 Earth and Space Science (Grades 9-12)
- 062, 063 Life Science (Grades 9-12)
- 064, 065 Physics (Grades 9-12)
- 080, 081 Technology (Grades 5-12)
- 082, 083 Business (Grades 5-12)
- 084, 085 Family and Consumer Sciences (Grades 5-12)
- 086, 087 Agricultural Education (Grades 5-12)
- 100, 101 Reading Teacher (Grades K-12)
- 102, 103 Library Media Specialist (Grades K-12)
- 104, 105 Visual Arts (Grades K-12)

Content Area Tests:

108, 109	Theatre (Grades K-12)
110, 111	Dance (Grades K-12)
112, 113	Physical Education (Grades K-12)
114, 115	English as a Second Language (Grades K-12)
130, 131	Computer, Keyboarding, & Related Technology (Grades K-12)
158, 159	World Language & Culture: Chinese (Mandarin) (Grades K-12)
160, 161	World Language & Culture : French (Grades K-12)
162, 163	World Language & Culture: German (Grades K-12)
164, 165	World Language & Culture : Spanish (Grades K-12)
184	Instrumental Classroom Music (Grades K-12)
185	Vocal Classroom Music (Grades K-12)
186, 187	Special Education Core Skills (Birth to Age 21)

Program Enhancements

Pearson continually works with the Board of Teaching to evaluate and improve the quality of the MTLESM program. Over the course of the 2016–2017 Program Year, the following enhancements have been implemented.

Transition from MTLE Basic Skills to MN NES Essential Academic Skills examination. Under the direction of the Board of Teaching, Pearson discontinued the MTLE Basic Skills test after June 8, 2016. The MTLE Basic Skills test was replaced with the Minnesota NES Essential Academic Skills (EAS) test effective August 30, 2016.

Conducted Job Analysis. Over the course of Program Year 2016-2017, under the direction of the Board of Teaching, Pearson conducted Work-Behavior/Task-Based Job Analysis for the newly developed or newly validated licensure tests used in Minnesota (MN) (including the MN NES Essential Academic Skills tests) as well as for the MTLE Basic Skills Test. The purpose of Job Analysis is to determine whether the knowledge, skills, or abilities (KSAs) measured in the exams are required to perform important aspects of the job of an educator in MN, and thereby enhance content validity and job-relatedness of the exams. By July 2017, Pearson conducted several focus groups with the MN educators to finalize the list of job tasks performed by MN teachers, surveyed a random sample of MN educators to gather input on the importance of and time spent on each job task, and conducted linkage studies (during which MN educators connected the critical job tasks with the test objectives) for the MN NES EAS and the MTLE Basic Skills. Linkage studies for the remaining MTLE fields are planned to be conducted at the future review conferences.

Conducted Alignment Studies. In January 2017, under the direction of the Board of Teaching, Pearson completed alignment studies for each one of the MTLE tests. The purpose of the alignment studies was to determine the degree of alignment between the test objectives, as delineated in the Test Frameworks, and the state and national student and teacher standards. As a result of the alignment studies, each MTLE framework was

assigned a redevelopment priority level, reflecting a degree of alignment between the framework and the state and national standards with which they were aligned.

Commenced Redevelopment of MTLE Test Fields. Based on the results of the alignment studies and test incidence level, Pearson and Board of Teaching selected five MTLE test fields to be redeveloped in Phase I, with the first test administration projected for the fall of 2018. Content advisory committees and bias review committees consisting of MN educators will be meeting in October and November 2017 to review test materials of these five MTLE test fields.

Enhancements to Assist Candidates. Pearson continually works with the Board of Teaching to examine program policies and materials and provide additional services and resources for candidates taking MTLESM examinations.

- **Candidate preparation.** Over the course of 2016-2017 Program Year, Pearson has added the following candidate preparation resources to the MTLESM program website.
 - **Expanded study guides.** The expanded study guides provide sample multiple-choice questions with explanations of the correct response and other helpful study tools. By fall 2013 expanded study guides were available for virtually all MTLESM test fields¹. By September 2017, study guides for 16 MTLE test fields were updated to include a set of sample test questions equal to the full scorable set of questions on a test form. Additionally, the updated study guides include rationales for each multiple-choice question that explain the correct response.
 - **Practice Essentials.** By August 2017, additional fee-based test preparation materials called “Practice Essentials” became available for the Minnesota NES Essential Academic Skills (EAS) test. The “Practice Essentials” provide 20 multiple-choice questions (along with correct response explanations) for each Minnesota NES EAS subtest (i.e., Reading, Writing, and Mathematics) beyond what is available in the full-length online practice test. The “Practice Essentials” are in the same format as a full-length practice test.
- **Candidate Registration and Administration.** Over the course of 2016-2017 Program Year, Pearson has implemented the following enhancements to candidate test registration and administration.
 - **Free re-tests after three attempts.** By September 2016, Pearson implemented a system that provides free re-tests to candidates who fail a subtest at least three times. There is no limit on the number of free re-tests that are provided to candidates.
 - **Free registration.** By September 2016, Pearson eliminated a test registration fee.

¹ World Language and Culture: Chinese (Mandarin) includes all constructed-response items. An Expanded Study Guide is not available for this examination.

- ***Test Preparation Webinars.*** Pearson invited candidates to participate in the test preparation webinars. Topics such as registration, score report interpretation, test preparation resources, and special accommodations were covered in the webinars. Two sessions were offered in spring 2017.

Resources to Assist Faculty. Pearson has worked to provide additional resources and support for faculty at Minnesota educator preparation programs.

- **Annotated score reports.** By September 2016, annotated score reports became available on the MTLE website so that faculty can better assist candidates in interpreting important score-related information. Annotated score reports are available for the following tests: MN NES Essential Academic Skills, Tests with Multiple choice Questions Only, World Language and Culture: French, German, and Spanish (Grades K–12), and World Language and Culture: Chinese (Mandarin) (Grades K–12).
- **ResultsAnalyzer Cohort.** By June 2017, ResultsAnalyzer Cohort reporting based on Title II data became available to the MN institutions as well as to the MN Board of Teaching.
- **ResultsAnalyzer trainings.** Pearson invited faculty at Minnesota educator preparation programs to participate in the online webinar training on the use of ResultsAnalyzer. The webinar training included an overview of ResultsAnalyzer Cohort and allowed time for questions-and-answers at the end. There were two webinars offered in spring 2017.

SECTION II: Findings September 2016 – August 2017

This section provides information on the candidates' performance on the MTLE tests as well as the technical properties of the MTLE tests based on the data from on data from September 1, 2016 through August 30, 2017. The findings include reports of pass rates, reliability and statistical indices, and distributions of scaled scores by test. Please consult the Glossary of Terms for more detailed information about the contents of each report.

The following reports are provided for the MTLESM program.

Pass Rate Report (Appendix A)

- Initial Pass Rate Information
- Overall Pass Rate Information
- Retake Pass Rate Information

Test Form Statistics Report (Appendix B)

Total-Test Indices

- Mean
- Standard error of measurement (Brennan, 2001)
- Total test decision consistency index (Breyer & Lewis, 1994)
- Stratified alpha total test reliability estimates

Multiple-Choice Section Indices

- Estimated standard error of measurement at the passing score (Keats, 1957)
- Computed standard error of measurement
- Kuder-Richardson 20 (KR-20)

Constructed-Response Section Indices

- Agreement rate of holistic scores (total, exact agreement, and adjacent agreement)
- Intraclass correlation between the first and second score, corrected using the Spearman-Brown formula
- Generalizability coefficient with items as a fixed facet
- Generalizability coefficient with items as a random facet
- Correlation between constructed-response and multiple-choice sections

Frequency Distributions of Total Test Scores (Appendix C)

Interpretive Cautions. The notes below are an integral part of the accompanying tables.

- All information provided in this report is based on data from September 1, 2016 through August 30, 2017.
- Reliability and statistical indices are calculated for tests taken by 100 or more candidates.
- Licensure decisions are based on total test score, not test section information.
- Examinees whose data are presented in this document may not reflect the same performance as that of examinees who will take these tests in the future.
- Extreme caution should be used in interpreting data for small numbers of examinees. The examinees for whom results are presented in this document may not reflect the same proportion of all the types and capabilities of examinees in the population who will take the tests in the future.
- To be interpreted with confidence, statistical reliability estimates must be based on adequate numbers of candidate scores that represent a range of candidate knowledge and skill levels and that provide variance in candidate score distributions. In general, the larger the variability within candidate scores, the greater the reliability coefficient. The reliability estimates may be suppressed when the full range of scores across the score scale are not observed.
- Small numbers of candidates resulting in less variance in candidate score distributions may result in lower reliability coefficients.
- Reliability indices for a single test section may be lower than reliability statistics for the total test because each test section contains fewer test items than the total test.
- Candidates taking the MTLE tests have the option of choosing when they take and retake a test. As a result, the group of candidates taking each test may vary in respect to composition, ability level, and the variability of observed scores.
- In general, test forms with greater numbers of items have higher reliability estimates.
- Reliability estimates are typically higher for tests that contain homogeneous content than for tests that cover a broad range of heterogeneous content.
- The location of the passing score within the distribution of test scores can affect the statistical estimates of decision consistency. Decision consistency may be adversely affected if the mean score is close to the passing score.

Glossary of Terms. The notes below are an integral part of the accompanying tables.

Agreement rates. Each constructed-response item is rated by two independent scorers. Scorer agreement is the degree of agreement between the scores assigned by each scorer. Three types of agreement are reported here:

- **Exact agreement** – the percent of scores where the two scorers are in exact agreement
- **Adjacent agreement** – the percent of scores where the two scorers are within one point of each other
- **Percent agreement** – the total exact agreement and adjacent agreement combined

Decision consistency. Total test decision consistency (Breyer and Lewis, 1994) is a reliability statistic that describes the consistency of the pass/fail decision. This method calculates decision consistency using a split-halves method in which one test form is split into two shorter forms that each represents the overall content of the whole test form.

This statistic is reported in the range of 0.00 to 1.00; the closer the estimate is to 1.00, the more consistent (reliable) the decision is considered to be.

Distribution of test scores. The total scaled score distribution is based on all attempts made by each examinee. Results for most MTLE tests are reported on a scale ranging from 100 to 300, with a passing score of 240. The Essential Academic Skills Test is reported on a scale of 400 to 600, with a passing score of 520.

The total scaled score distribution provides an inclusive list of observed total test scaled scores, in intervals of ten scale-score points; the number of scores observed within intervals of ten scale-score points; the number of scores observed at or above each scale-score interval; the percent of scores observed within intervals of ten scaled-score points; and the percent of scores observed at or above each scaled-score interval.

G coefficient. The G (generalizability) coefficient indicates the degree to which the variability in scores for the constructed-response section is attributable to characteristics of the candidates, such as subject area knowledge, rather than to measurement error. It is reported in the range of .00 to 1.00, with a higher number indicating a greater level of dependability (or accuracy of the generalization from observed score to universe score).

Two G coefficients are reported for the MTLE exams: estimates of the generalizability of scores is provided for items treated as a random facet and for items treated as a fixed facet. When items are treated as random facet, inferences may be drawn about the generalizability of the scores. When items are treated as a fixed facet, the ability to make inferences about the dependability of the scores if other prompts were used is lost; therefore, the dependability of scores cannot be generalized beyond the specific prompts used in the analysis.

When there are constructed-response item types, the G coefficient that results from treating CR items as a fixed facet tends to be higher as there is less error associated with fixed facets.

Inter-rater reliability. For each test form with open-response items, inter-rater reliability reports the degree to which different raters assign the same score to the same response. Interrater reliability is estimated with an intraclass correlation, corrected using the Spearman-Brown formula.

Kuder-Richardson formula 20 (KR20). The KR20 (Kuder-Richardson index of homogeneity) is a measure of internal consistency of the multiple-choice test items. KR20 is reported in the range of .00 to 1.00, with a higher number indicating a greater level of internal consistency (that is, the degree of consistent performance on items intended to measure the same construct).

Mean. The average total scaled score.

Pass Rates. Pass rates are the percent of examinees achieving a total test scaled score of 240 on most MTLE tests and score of 520 on the Essential Academic Skills Test. Pass rates based on three types of attempt type are provided:

- **Initial Pass Rate Information.** The number of candidates taking a test for the first time who achieved a score equal to or higher than the passing score.
- **Overall Pass Rate Information.** The total number of candidates taking a test during the reporting period and the percent who achieved a score equal to or higher than the passing score. If there were multiple attempts in the program year, the highest retake score will be used in the calculation of the pass rate.
- **Retake Pass Rate Information.** The number of candidates retaking a test that they had taken previously and the percent of the candidates who achieved a score equal to or higher than the passing score. If there were multiple retake attempts in the program year, the highest retake score will be used in the calculation of the pass rate.

Pearson Correlation of multiple-choice and open-response section scores. The Pearson Correlation indicates the correlation (relationship) between the scaled scores for the two sections of a test. This metric reports the degree to which respondents who do well on the open-response section also do well on the multiple-choice section. This statistic is reported in the range of 0.00 to 1.00 for each test form with at least 100 attempts.

Scorer agreement. For each test form with open-response items, information is reported on scorer agreement regarding the individual raw scores assigned to each candidate's response to an open-response item. The following information is reported: the percent of cases in which the first two scorers were in agreement (i.e., assigned identical scores or scores that only differ by 1 point, also called adjacent scores), the percent of identical scores, and the percent of adjacent scores.

Standard Error of Measurement (SEM). SEM is a statistical measure reported as a number that provides a "confidence band" around a candidate's score; if a candidate retook the test, the candidate's reported score would likely be within the reported score plus or minus the number reported as the SEM. The smaller the SEM, the closer a candidate's score could be expected to be to the one reported upon repeated testing.

The SEM is reported for both the total test score and the multiple-choice section of each test.

- **Total Test.** The SEM is calculated for the total test scaled score (Brennan, 2001).
- **Multiple-choice section.** Two versions of a SEM is calculated for candidate scores for the multiple-choice section of a test: Keats' estimated SEM (Keats, 1957) and the computed SEM (Lord, 1959).

Stratified alpha. Stratified alpha is an estimate of total test reliability for a test containing a mixture of item types (e.g., multiple-choice and open-response). Each section of the test, multiple-choice and constructed-response, is treated as a subtest. Internal consistency estimates for the separate subtests are combined to compute stratified coefficient alpha. Stratified coefficient alpha is reported in the range 0 to 1, with a higher number indicating a greater level of consistency (reliability).

References

- Angoff, W. H. (1971). Scales, norms, and equivalent scores. In R. L. Thorndike (Ed.). *Educational Measurement* (2nd ed., pp. 508-597). Washington, DC: American Council on Education.
- American Educational Research Association, American Psychological Association, & National Council on Measurement in Education. (2014). *Standards for educational and psychological testing*. Washington, DC: American Educational Research Association.
- Brennan, R. L. (2001). *Generalizability theory*. New York: Springer-Verlag.
- Breyer, F., & Lewis, C. (1994). Pass-fail reliability for tests with cut scores: A simplified method. Princeton, NJ: Educational Testing Service.
- Keats, J. A. (1957). Estimation of error variances of test scores. *Psychometrika*, 22.
- Kuder, G. F., & Richardson, M. W. (1937). The theory of the estimation of test reliability. *Psychometrika*, 2, 151–160.
- Lord, F. M. (1959). Tests of the same length do have the same standard error of measurement. *Educational and Psychological Measurement*, 19(2), 233-239.

Appendices

Appendix A: Pass Rate Report

Appendix B: Test Form Statistics Report

Appendix C: Frequency Distributions of Total Test Scores

Appendix D: Pass Rate Report for MTLE Test Groups by Gender and Ethnicity

Appendix A: Pass Rate Report:
Initial and Overall Pass Rate Information

**Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017**

	Attempt Type						Scaled Score	
	First-Time Test Takers			All Test Takers				
	N	N Pass	% Pass	N	N Pass	% Pass	Mean	Std Dev
Test:								
010 Pedagogy: Early Childhood (Birth to Grade 3) Subtest 1	350	350	100.0%	352	352	100.0%	282.3	10.7
011 Pedagogy: Early Childhood (Birth to Grade 3) Subtest 2	352	351	99.7%	354	353	99.7%	278.9	11.6
012 Pedagogy: Elementary (Grades K-6) Subtest 1	2,246	2,108	93.9%	2,320	2,196	94.7%	264.2	16.3
013 Pedagogy: Elementary (Grades K-6) Subtest 2	2,241	2,073	92.5%	2,319	2,168	93.5%	265.8	18.2
014 Pedagogy: Secondary (Grades 5-12) Subtest 1	1,520	1,473	96.9%	1,549	1,504	97.1%	266.3	13.9
015 Pedagogy: Secondary (Grades 5-12) Subtest 2	1,520	1,503	98.9%	1,532	1,510	98.6%	272.8	13.3
020 Early Childhood Education (Birth to Grade 3) Subtest 1	439	406	92.5%	450	425	94.4%	264.4	16.9
021 Early Childhood Education (Birth to Grade 3) Subtest 2	435	411	94.5%	441	425	96.4%	268.0	16.4
022 PrePrimary (Age 3 to PreKindergarten) Subtest 1	64	64	100.0%	65	65	100.0%	271.7	11.4
023 PrePrimary (Age 3 to PreKindergarten) Subtest 2	65	60	92.3%	67	65	97.0%	262.0	12.9
024 Elementary Education (Grades K-6) Subtest 1	1,838	1,634	88.9%	1,931	1,756	90.9%	260.3	17.4
025 Elementary Education (Grades K-6) Subtest 2	1,828	1,713	93.7%	1,903	1,788	94.0%	266.7	18.0
026 Elementary Education (Grades K-6) Subtest 3	1,830	1,485	81.1%	2,043	1,701	83.3%	256.1	20.3
030 Middle Level Communication Arts/Literature (Grades 5-8) Subtest 1	57	57	100.0%	57	57	100.0%	270.4	10.0
031 Middle Level Communication Arts/Literature (Grades 5-8) Subtest 2	57	57	100.0%	57	57	100.0%	271.4	11.4
032 Middle Level Social Studies (Grades 5-8) Subtest 1	44	43	97.7%	44	44	100.0%	261.8	12.1

(Continued)

KEY: N = Number of test takers, N Pass and % Pass = Number and Percent of test takers who passed the test
NOTE: This table should be viewed with the accompanying explanatory notes and interpretive cautions.

**Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017**

	Attempt Type						Scaled Score	
	First-Time Test Takers			All Test Takers				
	N	N Pass	% Pass	N	N Pass	% Pass	Mean	Std Dev
Test:								
033 Middle Level Social Studies (Grades 5-8) Subtest 2	43	40	93.0%	44	42	95.5%	265.5	13.6
034 Middle Level Mathematics (Grades 5-8) Subtest 1	122	70	57.4%	138	93	67.4%	247.6	20.0
035 Middle Level Mathematics (Grades 5-8) Subtest 2	117	90	76.9%	125	105	84.0%	254.1	19.1
036 Middle Level Science (Grades 5-8) Subtest 1	173	166	96.0%	174	169	97.1%	270.1	16.3
037 Middle Level Science (Grades 5-8) Subtest 2	170	157	92.4%	174	163	93.7%	266.8	17.7
050 Communication Arts/Literature (Grades 5-12) Subtest 1	291	289	99.3%	295	293	99.3%	274.7	12.8
051 Communication Arts/Literature (Grades 5-12) Subtest 2	290	286	98.6%	294	288	98.0%	269.0	14.3
052 Social Studies (Grades 5-12) Subtest 1	261	233	89.3%	286	254	88.8%	257.8	16.5
053 Social Studies (Grades 5-12) Subtest 2	260	185	71.2%	321	236	73.5%	246.1	14.9
054 Mathematics (Grades 5-12) Subtest 1	192	138	71.9%	236	182	77.1%	252.1	24.1
055 Mathematics (Grades 5-12) Subtest 2	197	152	77.2%	217	172	79.3%	256.8	21.9
056 Health (Grades 5-12) Subtest 1	129	126	97.7%	129	126	97.7%	271.4	13.7
057 Health (Grades 5-12) Subtest 2	128	125	97.7%	128	126	98.4%	270.8	12.7
058 Chemistry (Grades 9-12) Subtest 1	53	50	94.3%	54	51	94.4%	269.3	15.5
059 Chemistry (Grades 9-12) Subtest 2	54	53	98.1%	54	54	100.0%	271.4	13.0
060 Earth and Space Science (Grades 9-12) Subtest 1	16	14	87.5%	17	17	100.0%	256.7	8.6
061 Earth and Space Science (Grades 9-12) Subtest 2	16	10	62.5%	22	14	63.6%	240.2	18.8
062 Life Science (Grades 9-12) Subtest 1	125	109	87.2%	140	122	87.1%	258.4	18.0
063 Life Science (Grades 9-12) Subtest 2	124	105	84.7%	141	117	83.0%	255.5	19.3
064 Physics (Grades 9-12) Subtest 1	30	20	66.7%	33	24	72.7%	258.1	26.1

(Continued)

KEY: N = Number of test takers, N Pass and % Pass = Number and Percent of test takers who passed the test
NOTE: This table should be viewed with the accompanying explanatory notes and interpretive cautions.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

	Attempt Type						Scaled Score	
	First-Time Test Takers			All Test Takers				
	N	N Pass	% Pass	N	N Pass	% Pass	Mean	Std Dev
Test:								
065 Physics (Grades 9-12) Subtest 2	30	19	63.3%	38	25	65.8%	244.9	29.0
080 Technology (Grades 5-12) Subtest 1	7	6	85.7%	7	7	100.0%	268.3	14.3
081 Technology (Grades 5-12) Subtest 2	7	7	100.0%	7	7	100.0%	271.7	10.5
082 Business (Grades 5-12) Subtest 1	14	12	85.7%	18	15	83.3%	254.0	11.0
083 Business (Grades 5-12) Subtest 2	14	14	100.0%	16	16	100.0%	260.3	9.8
084 Family and Consumer Sciences (Grades 5-12) Subtest 1	21	21	100.0%	21	21	100.0%	266.9	12.5
085 Family and Consumer Sciences (Grades 5-12) Subtest 2	22	20	90.9%	22	22	100.0%	260.1	9.8
086 Agricultural Education (Grades 5-12) Subtest 1	20	18	90.0%	20	18	90.0%	262.1	13.5
087 Agricultural Education (Grades 5-12) Subtest 2	20	19	95.0%	20	20	100.0%	261.7	9.4
100 Reading Teacher (Grades K-12) Subtest 1	305	295	96.7%	306	299	97.7%	270.9	15.1
101 Reading Teacher (Grades K-12) Subtest 2	305	287	94.1%	310	298	96.1%	269.5	17.7
102 Library Media Specialist (Grades K-12) Subtest 1	42	39	92.9%	42	40	95.2%	259.4	12.1
103 Library Media Specialist (Grades K-12) Subtest 2	42	38	90.5%	43	40	93.0%	259.8	13.1
104 Visual Arts (Grades K-12) Subtest 1	84	79	94.0%	89	83	93.3%	263.5	18.3
105 Visual Arts (Grades K-12) Subtest 2	82	74	90.2%	93	82	88.2%	257.1	17.8
106 Instrumental and Vocal Classroom Music (Grades K-12) Subtest 1	141	137	97.2%	144	142	98.6%	267.5	15.0
108 Theatre (Grades K-12) Subtest 1	11	9	81.8%	12	11	91.7%	263.5	17.5
109 Theatre (Grades K-12) Subtest 2	11	11	100.0%	11	11	100.0%	270.8	13.5
110 Dance (Grades K-12) Subtest 1	8	8	100.0%	8	8	100.0%	268.1	15.6
111 Dance (Grades K-12) Subtest 2	8	8	100.0%	8	8	100.0%	269.5	12.8

(Continued)

KEY: N = Number of test takers, N Pass and % Pass = Number and Percent of test takers who passed the test
NOTE: This table should be viewed with the accompanying explanatory notes and interpretive cautions.

**Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017**

Test:	Attempt Type						Scaled Score	
	First-Time Test Takers			All Test Takers				
	N	N Pass	% Pass	N	N Pass	% Pass	Mean	Std Dev
112 Physical Education (Grades K-12) Subtest 1	172	169	98.3%	177	174	98.3%	263.6	13.4
113 Physical Education (Grades K-12) Subtest 2	171	164	95.9%	173	165	95.4%	262.7	14.4
114 English as a Second Language (Grades K-12) Subtest 1	265	246	92.8%	268	250	93.3%	265.3	16.6
115 English as a Second Language (Grades K-12) Subtest 2	264	215	81.4%	278	234	84.2%	257.6	21.2
130 Computer, Keyboarding, and Related Technology (Grades K-12) Subtest 1	16	16	100.0%	16	16	100.0%	270.0	8.8
131 Computer, Keyboarding, and Related Technology (Grades K-12) Subtest 2	15	15	100.0%	15	15	100.0%	267.3	10.2
158 World Language and Culture: Chinese (Mandarin) (Grades K-12) Subtest 1	11	11	100.0%	11	11	100.0%	293.3	13.4
159 World Language and Culture: Chinese (Mandarin) (Grades K-12) Subtest 2	11	10	90.9%	12	11	91.7%	283.3	36.0
160 World Language and Culture: French (Grades K-12) Subtest 1	22	18	81.8%	24	21	87.5%	261.0	25.8
161 World Language and Culture: French (Grades K-12) Subtest 2	22	14	63.6%	24	15	62.5%	253.5	35.1
162 World Language and Culture: German (Grades K-12) Subtest 1	6	5	83.3%	6	5	83.3%	251.5	14.9
163 World Language and Culture: German (Grades K-12) Subtest 2	4	3	75.0%	5	4	80.0%	265.8	27.2
164 World Language and Culture: Spanish (Grades K-12) Subtest 1	98	81	82.7%	112	96	85.7%	255.2	21.3
165 World Language and Culture: Spanish (Grades K-12) Subtest 2	95	86	90.5%	99	90	90.9%	270.0	28.7
184 Instrumental Classroom Music (Grades K-12) Subtest 2	83	63	75.9%	89	68	76.4%	250.1	18.0
185 Vocal Classroom Music (Grades K-12) Subtest 2	70	67	95.7%	72	68	94.4%	266.2	15.1

(Continued)

KEY: N = Number of test takers, N Pass and % Pass = Number and Percent of test takers who passed the test
NOTE: This table should be viewed with the accompanying explanatory notes and interpretive cautions.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

Test:	Attempt Type						Scaled Score	
	First-Time Test Takers			All Test Takers				
	N	N Pass	% Pass	N	N Pass	% Pass	Mean	Std Dev
186 Special Education Core Skills (Birth to Age 21) Subtest 1	811	599	73.9%	963	733	76.1%	250.9	23.3
187 Special Education Core Skills (Birth to Age 21) Subtest 2	802	614	76.6%	940	726	77.2%	252.2	26.3
188 MN NES Essential Academic Skills I: Reading	3,474	3,012	86.7%	3,474	3,103	89.3%	550.5	28.5
189 MN NES Essential Academic Skills II: Writing	3,574	2,361	66.1%	3,574	2,571	71.9%	529.7	27.9
190 MN NES Essential Academic Skills III: Mathematics	3,517	2,548	72.4%	3,517	2,700	76.8%	538.6	34.0

KEY: N = Number of test takers, N Pass and % Pass = Number and Percent of test takers who passed the test
NOTE: This table should be viewed with the accompanying explanatory notes and interpretive cautions.

Appendix A: Pass Rate Report:
Retake Pass Rate Information

Test:	Attempt Type						Scaled Score						
	First-Time Test Takers			All Test Takers			Retakers						
	N	N Pass	% Pass	N	N Pass	% Pass	Mean	Std Dev	N	N Pass	% Pass	Mean	Std Dev
010 Pedagogy: Early Childhood (Birth to Grade 3) Subtest 1	350	350	100.00%	352	352	100.00%	282.3	10.7	1	1	100.00	260.0	
011 Pedagogy: Early Childhood (Birth to Grade 3) Subtest 2	352	351	99.70%	354	353	99.70%	278.9	11.6	1	1	100.00	271.0	
012 Pedagogy: Elementary (Grades K-6) Subtest 1	2246	2108	93.90%	2320	2196	94.70%	264.2	16.3	33	29	87.88	249.8	17.1
013 Pedagogy: Elementary (Grades K-6) Subtest 2	2241	2073	92.50%	2319	2168	93.50%	265.8	18.2	44	38	86.36	253.3	19.3
014 Pedagogy: Secondary (Grades 5-12) Subtest 1	1520	1473	96.90%	1549	1504	97.10%	266.3	13.9	20	15	75.00	252.8	16.5
015 Pedagogy: Secondary (Grades 5-12) Subtest 2	1520	1503	98.90%	1532	1510	98.60%	272.8	13.3	3	0	0.00	229.7	11.0
020 Early Childhood Education (Birth to Grade 3) Subtest 1	439	406	92.50%	450	425	94.40%	264.4	16.9	21	14	66.67	241.2	15.5
021 Early Childhood Education (Birth to Grade 3) Subtest 2	435	411	94.50%	441	425	96.40%	268	16.4	12	10	83.33	248.3	9.4
022 PrePrimary (Age 3 to PreKindergarten) Subtest 1	64	64	100.00%	65	65	100.00%	271.7	11.4					
023 PrePrimary (Age 3 to PreKindergarten) Subtest 2	65	60	92.30%	67	65	97.00%	262	12.9	3	3	100.00	247.3	6.7
024 Elementary Education (Grades K-6) Subtest 1	1838	1634	88.90%	1931	1756	90.90%	260.3	17.4	62	43	69.35	243.7	13.2
025 Elementary Education (Grades K-6) Subtest 2	1828	1713	93.70%	1903	1788	94.00%	266.7	18	51	41	80.39	246.7	13.8
026 Elementary Education (Grades K-6) Subtest 3	1830	1485	81.10%	2043	1701	83.30%	256.1	20.3	304	178	58.55	238.7	15.2
030 Middle Level Communication Arts/Literature (Grades 5-8) Subtest 1	57	57	100.00%	57	57	100.00%	270.4	10					
031 Middle Level Communication Arts/Literature (Grades 5-8) Subtest 2	57	57	100.00%	57	57	100.00%	271.4	11.4					
032 Middle Level Social Studies (Grades 5-8) Subtest 1	44	43	97.70%	44	44	100.00%	261.8	12.1	1	1	100.00	250.0	
033 Middle Level Social Studies (Grades 5-8) Subtest 2	43	40	93.00%	44	42	95.50%	265.5	13.6	2	2	100.00	252.5	2.1
034 Middle Level Mathematics (Grades 5-8) Subtest 1	122	70	57.40%	138	93	67.40%	247.6	20	26	17	65.38	245.2	15.1
035 Middle Level Mathematics (Grades 5-8) Subtest 2	117	90	76.90%	125	105	84.00%	254.1	19.1	16	15	93.75	248.6	11.8
036 Middle Level Science (Grades 5-8) Subtest 1	173	166	96.00%	174	169	97.10%	270.1	16.3	1	1	100.00	249.0	
037 Middle Level Science (Grades 5-8) Subtest 2	170	157	92.40%	174	163	93.70%	266.8	17.7	6	5	83.33	241.2	8.5
050 Communication Arts/Literature (Grades 5-12) Subtest 1	291	289	99.30%	295	293	99.30%	274.7	12.8	4	4	100.00	244.0	4.7
051 Communication Arts/Literature (Grades 5-12) Subtest 2	290	286	98.60%	294	288	98.00%	269	14.3	6	2	33.33	232.5	20.1
052 Social Studies (Grades 5-12) Subtest 1	261	233	89.30%	286	254	88.80%	257.8	16.5	11	8	72.73	246.7	9.0
053 Social Studies (Grades 5-12) Subtest 2	260	185	71.20%	321	236	73.50%	246.1	14.9	97	51	52.58	237.0	12.9
054 Mathematics (Grades 5-12) Subtest 1	192	138	71.90%	236	182	77.10%	252.1	24.1	41	31	75.61	247.0	13.1
055 Mathematics (Grades 5-12) Subtest 2	197	152	77.20%	217	172	79.30%	256.8	21.9	33	18	54.55	240.7	18.9
056 Health (Grades 5-12) Subtest 1	129	126	97.70%	129	126	97.70%	271.4	13.7					
057 Health (Grades 5-12) Subtest 2	128	125	97.70%	128	126	98.40%	270.8	12.7	1	1	100.00	259.0	
058 Chemistry (Grades 9-12) Subtest 1	53	50	94.30%	54	51	94.40%	269.3	15.5	1	0	0.00	237.0	
059 Chemistry (Grades 9-12) Subtest 2	54	53	98.10%	54	54	100.00%	271.4	13					
060 Earth and Space Science (Grades 9-12) Subtest 1	16	14	87.50%	17	17	100.00%	256.7	8.6	1	1	100.00	252.0	
061 Earth and Space Science (Grades 9-12) Subtest 2	16	10	62.50%	22	14	63.60%	240.2	18.8	10	4	40.00	235.2	22.1
062 Life Science (Grades 9-12) Subtest 1	125	109	87.20%	140	122	87.10%	258.4	18	15	8	53.33	241.6	14.0
063 Life Science (Grades 9-12) Subtest 2	124	105	84.70%	141	117	83.00%	255.5	19.3	23	12	52.17	234.4	18.2
064 Physics (Grades 9-12) Subtest 1	30	20	66.70%	33	24	72.70%	258.1	26.1	2	1	50.00	238.0	2.8
065 Physics (Grades 9-12) Subtest 2	30	19	63.30%	38	25	65.80%	244.9	29	10	6	60.00	242.7	18.9
080 Technology (Grades 5-12) Subtest 1	7	6	85.70%	7	7	100.00%	268.3	14.3					
081 Technology (Grades 5-12) Subtest 2	7	7	100.00%	7	7	100.00%	271.7	10.5					
082 Business (Grades 5-12) Subtest 1	14	12	85.70%	18	15	83.30%	254	11	2	2	100.00	248.5	2.1
083 Business (Grades 5-12) Subtest 2	14	14	100.00%	16	16	100.00%	260.3	9.8	2	2	100.00	248.5	6.4
084 Family and Consumer Sciences (Grades 5-12) Subtest 1	21	21	100.00%	21	21	100.00%	266.9	12.5					
085 Family and Consumer Sciences (Grades 5-12) Subtest 2	22	20	90.90%	22	22	100.00%	260.1	9.8	1	1	100.00	254.0	
086 Agricultural Education (Grades 5-12) Subtest 1	20	18	90.00%	20	18	90.00%	262.1	13.5					
087 Agricultural Education (Grades 5-12) Subtest 2	20	19	95.00%	20	20	100.00%	261.7	9.4	1	1	100.00	249.0	

Test	Attempt Type						Scaled Score						
	First-Time Test Takers			All Test Takers			Retakers						
	N	N Pass	% Pass	N	N Pass	% Pass	Mean	Std Dev	N	N Pass	% Pass	Mean	Std Dev
100 Reading Teacher (Grades K-12) Subtest 1	305	295	96.70%	306	299	97.70%	270.9	15.1	2	1	50.00	241.5	21.9
101 Reading Teacher (Grades K-12) Subtest 2	305	287	94.10%	310	298	96.10%	269.5	17.7	12	10	83.33	248.6	9.5
102 Library Media Specialist (Grades K-12) Subtest 1	42	39	92.90%	42	40	95.20%	259.4	12.1	1	1	100.00	244.0	
103 Library Media Specialist (Grades K-12) Subtest 2	42	38	90.50%	43	40	93.00%	259.8	13.1	2	2	100.00	250.5	9.2
104 Visual Arts (Grades K-12) Subtest 1	84	79	94.00%	89	83	93.30%	263.5	18.3	4	4	100.00	250.0	9.1
105 Visual Arts (Grades K-12) Subtest 2	82	74	90.20%	93	82	88.20%	257.1	17.8	14	8	57.14	240.6	19.2
106 Instrumental and Vocal Classroom Music (Grades K-12) Subtest 1	141	137	97.20%	144	142	98.60%	267.5	15	2	2	100.00	250.0	14.1
108 Theatre (Grades K-12) Subtest 1	11	9	81.80%	12	11	91.70%	263.5	17.5	1	1	100.00	240.0	
109 Theatre (Grades K-12) Subtest 2	11	11	100.00%	11	11	100.00%	270.8	13.5					
110 Dance (Grades K-12) Subtest 1	8	8	100.00%	8	8	100.00%	268.1	15.6					
111 Dance (Grades K-12) Subtest 2	8	8	100.00%	8	8	100.00%	269.5	12.8					
112 Physical Education (Grades K-12) Subtest 1	172	169	98.30%	177	174	98.30%	263.6	13.4	4	4	100.00	254.0	9.2
113 Physical Education (Grades K-12) Subtest 2	171	164	95.90%	173	165	95.40%	262.7	14.4	2	1	50.00	228.0	32.5
114 English as a Second Language (Grades K-12) Subtest 1	265	246	92.80%	268	250	93.30%	265.3	16.6	1	1	100.00	247.0	
115 English as a Second Language (Grades K-12) Subtest 2	264	215	81.40%	278	234	84.20%	257.6	21.2	23	18	78.26	243.3	15.2
130 Computer, Keyboarding, and Related Technology (Grades K-12) Subtest 1	16	16	100.00%	16	16	100.00%	270	8.8					
131 Computer, Keyboarding, and Related Technology (Grades K-12) Subtest 2	15	15	100.00%	15	15	100.00%	267.3	10.2					
158 World Language and Culture: Chinese (Mandarin) (Grades K-12) Subtest 1	11	11	100.00%	11	11	100.00%	293.3	13.4					
159 World Language and Culture: Chinese (Mandarin) (Grades K-12) Subtest 2	11	10	90.90%	12	11	91.70%	283.3	36	2	1	50.00	240.0	84.9
160 World Language and Culture: French (Grades K-12) Subtest 1	22	18	81.80%	24	21	87.50%	261	25.8	1	1	100.00	247.0	
161 World Language and Culture: French (Grades K-12) Subtest 2	22	14	63.60%	24	15	62.50%	253.5	35.1	6	1	16.67	228.0	20.1
162 World Language and Culture: German (Grades K-12) Subtest 1	6	5	83.30%	6	5	83.30%	251.5	14.9					
163 World Language and Culture: German (Grades K-12) Subtest 2	4	3	75.00%	5	4	80.00%	265.8	27.2	1	1	100.00	266.0	
164 World Language and Culture: Spanish (Grades K-12) Subtest 1	98	81	82.70%	112	96	85.70%	255.2	21.3	20	14	70.00	242.6	14.4
165 World Language and Culture: Spanish (Grades K-12) Subtest 2	95	86	90.50%	99	90	90.90%	270	28.7	7	4	57.14	236.9	48.6
184 Instrumental Classroom Music (Grades K-12) Subtest 2	83	63	75.90%	89	68	76.40%	250.1	18	11	5	45.45	236.4	16.1
185 Vocal Classroom Music (Grades K-12) Subtest 2	70	67	95.70%	72	68	94.40%	266.2	15.1	2	1	50.00	245.5	17.7
186 Special Education Core Skills (Birth to Age 21) Subtest 1	811	599	73.90%	963	733	76.10%	250.9	23.3	115	82	71.30	242.5	17.3
187 Special Education Core Skills (Birth to Age 21) Subtest 2	802	614	76.60%	940	726	77.20%	252.2	26.3	191	102	53.40	234.0	25.6
188 MN NES Essential Academic Skills I: Reading	3474	3012	86.70%	3474	3103	89.30%	550.5	28.5	60	41	68.33	524.4	27.3
189 MN NES Essential Academic Skills II: Writing	3574	2361	66.10%	3574	2571	71.90%	529.7	27.9	306	174	56.86	518.2	18.5
190 MN NES Essential Academic Skills III: Mathematics	3517	2548	72.40%	3517	2700	76.80%	538.6	34	240	152	63.33	520.9	25.9

Appendix B: Test Form Statistics

**Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017**

TEST FORM STATISTICS REPORT

Test Field	Form	Number of Tests Taken	Total Test Scaled Score Indices					Multiple-Choice Section					Open Response Section		Pearson Corr. of MC & OR Section Scores
			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient			
						Fixed	Random					I Fixed	I Random		
010 Pedagogy: Early Childhood (Birth to Grade 3) Subtest 1	A	179	282	5.6	1.00	--	--	40	2.9	2.2	0.77	--	--	--	
	B	173	283	5.6	1.00	--	--	40	3.0	2.2	0.66	--	--	--	
011 Pedagogy: Early Childhood (Birth to Grade 3) Subtest 2	A	188	280	6.0	1.00	--	--	40	3.0	2.3	0.69	--	--	--	
	B	166	277	6.4	1.00	--	--	40	3.0	2.3	0.73	--	--	--	
012 Pedagogy: Elementary (Grades K-6) Subtest 1	A	209	263	9.7	0.94	--	--	40	2.9	2.4	0.75	--	--	--	
	B	268	263	9.8	0.95	--	--	40	2.9	2.5	0.66	--	--	--	
	C	201	265	9.7	0.97	--	--	40	2.9	2.4	0.59	--	--	--	
	D	190	262	9.9	0.93	--	--	40	2.9	2.5	0.67	--	--	--	
	E	158	261	10.0	0.95	--	--	40	2.9	2.5	0.69	--	--	--	
	F	154	264	9.7	0.92	--	--	40	2.9	2.4	0.70	--	--	--	
	G	182	262	9.7	0.97	--	--	40	2.9	2.4	0.67	--	--	--	
	H	215	263	9.3	0.94	--	--	40	2.9	2.5	0.68	--	--	--	
J	234	261	9.9	0.95	--	--	40	2.9	2.5	0.72	--	--	--		

(Continued)

NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

**Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017**

TEST FORM STATISTICS REPORT

Test Field	Form	Number of Tests Taken	Total Test Scaled Score Indices					Multiple-Choice Section				Open Response Section		Pearson Corr. of MC & OR Section Scores
			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient		
						Fixed	Random					I Fixed	I Random	
012 Pedagogy: Elementary (Grades K-6) Subtest 1	K	220	265	9.6	0.94	--	--	40	2.9	2.4	0.64	--	--	--
	L	180	265	9.5	0.97	--	--	40	2.9	2.4	0.65	--	--	--
	M	176	263	9.8	0.94	--	--	40	2.9	2.4	0.69	--	--	--
013 Pedagogy: Elementary (Grades K-6) Subtest 2	A	247	264	10.7	0.93	--	--	40	2.9	2.3	0.72	--	--	--
	B	226	264	10.8	0.93	--	--	40	2.9	2.3	0.70	--	--	--
	C	198	265	10.5	0.94	--	--	40	2.8	2.3	0.69	--	--	--
	D	202	266	10.7	0.97	--	--	40	2.9	2.3	0.60	--	--	--
	E	146	265	10.8	0.95	--	--	40	2.9	2.3	0.65	--	--	--
	F	172	266	10.2	0.95	--	--	40	2.7	2.2	0.61	--	--	--
	G	192	262	11.0	0.88	--	--	40	2.9	2.4	0.73	--	--	--
	H	206	263	10.8	0.93	--	--	40	2.8	2.3	0.67	--	--	--
	J	229	263	10.6	0.93	--	--	40	2.8	2.3	0.78	--	--	--
	K	210	267	10.4	0.94	--	--	40	2.9	2.3	0.66	--	--	--
L	183	265	10.6	0.94	--	--	40	2.8	2.3	0.71	--	--	--	

(Continued)

NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

**Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017**

TEST FORM STATISTICS REPORT

Test Field	Form	Number of Tests Taken	Total Test Scaled Score Indices					Multiple-Choice Section				Open Response Section		Pearson Corr. of MC & OR Section Scores
			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient		
						Fixed	Random					I Fixed	I Random	
013 Pedagogy: Elementary (Grades K-6) Subtest 2	M	180	266	10.3	0.95	--	--	40	2.8	2.2	0.67	--	--	--
014 Pedagogy: Secondary (Grades 5-12) Subtest 1	A	252	266	8.5	0.98	--	--	40	3.0	2.6	0.58	--	--	--
	B	223	265	8.8	0.95	--	--	40	3.0	2.5	0.70	--	--	--
	C	190	263	9.0	0.95	--	--	40	3.0	2.6	0.70	--	--	--
	D	151	267	8.8	0.98	--	--	40	3.0	2.5	0.56	--	--	--
	E	164	264	9.0	0.96	--	--	40	3.0	2.5	0.63	--	--	--
	F	202	268	8.6	0.97	--	--	40	3.0	2.4	0.72	--	--	--
	G	197	266	8.6	0.98	--	--	40	3.0	2.6	0.54	--	--	--
	H	199	266	8.9	0.98	--	--	40	3.0	2.5	0.63	--	--	--

(Continued)

NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

**Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017**

TEST FORM STATISTICS REPORT

Test Field	Form	Number of Tests Taken	Total Test Scaled Score Indices					Multiple-Choice Section					Open Response Section		Pearson Corr. of MC & OR Section Scores
			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient			
						Fixed	Random					I Fixed	I Random		
015 Pedagogy: Secondary (Grades 5-12) Subtest 2	A	212	273	7.8	0.99	--	--	40	3.0	2.3	0.60	--	--	--	
	B	238	273	8.0	0.99	--	--	40	3.0	2.3	0.62	--	--	--	
	C	154	273	7.9	1.00	--	--	40	3.0	2.4	0.69	--	--	--	
	D	182	272	7.7	0.99	--	--	40	3.0	2.3	0.73	--	--	--	
	E	189	272	8.1	0.99	--	--	40	2.9	2.3	0.66	--	--	--	
	F	164	273	8.0	1.00	--	--	40	2.9	2.3	0.62	--	--	--	
	G	192	273	8.0	0.99	--	--	40	2.9	2.3	0.61	--	--	--	
	H	202	273	8.0	0.99	--	--	40	3.0	2.3	0.62	--	--	--	
020 Early Childhood Education (Birth to Grade 3) Subtest 1	A	201	261	10.1	0.92	--	--	40	2.8	2.4	0.72	--	--	--	
	B	197	261	10.3	0.91	--	--	40	2.9	2.4	0.75	--	--	--	
	C	47	264	--	--	--	--	40	--	--	--	--	--	--	
	D	41	262	--	--	--	--	40	--	--	--	--	--	--	

(Continued)

NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

**Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017**

TEST FORM STATISTICS REPORT

Test Field	Form	Number of Tests Taken	Total Test Scaled Score Indices					Multiple-Choice Section				Open Response Section		Pearson Corr. of MC & OR Section Scores
			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient		
						Fixed	Random					I Fixed	I Random	
021 Early Childhood Education (Birth to Grade 3) Subtest 2	A	206	265	10.1	0.96	--	--	40	2.9	2.4	0.68	--	--	--
	B	250	268	9.3	0.98	--	--	40	2.8	2.2	0.68	--	--	--
022 PrePrimary (Age 3 to PreKindergarten) Subtest 1	A	28	271	--	--	--	--	40	--	--	--	--	--	--
	B	37	272	--	--	--	--	40	--	--	--	--	--	--
023 PrePrimary (Age 3 to PreKindergarten) Subtest 2	A	32	258	--	--	--	--	40	--	--	--	--	--	--
	B	39	261	--	--	--	--	40	--	--	--	--	--	--
024 Elementary Education (Grades K-6) Subtest 1	A	162	258	10.0	0.92	--	--	40	2.9	2.5	0.75	--	--	--
	B	183	257	10.1	0.90	--	--	40	2.8	2.5	0.72	--	--	--
	C	212	260	10.0	0.92	--	--	40	2.9	2.5	0.73	--	--	--
	D	227	257	10.3	0.90	--	--	40	3.0	2.6	0.75	--	--	--
	E	242	257	10.1	0.90	--	--	40	2.9	2.5	0.69	--	--	--
	F	270	259	9.9	0.92	--	--	40	2.9	2.5	0.69	--	--	--

(Continued)

NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

**Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017**

TEST FORM STATISTICS REPORT

Test Field	Form	Number of Tests Taken	Total Test Scaled Score Indices					Multiple-Choice Section				Open Response Section		Pearson Corr. of MC & OR Section Scores
			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient		
						Fixed	Random					I Fixed	I Random	
024 Elementary Education (Grades K-6) Subtest 1	G	179	258	9.9	0.90	--	--	40	2.8	2.5	0.71	--	--	--
	H	200	260	10.0	0.93	--	--	40	2.9	2.5	0.61	--	--	--
	J	194	258	10.1	0.90	--	--	40	2.9	2.5	0.75	--	--	--
	K	193	259	10.1	0.91	--	--	40	2.9	2.5	0.67	--	--	--
025 Elementary Education (Grades K-6) Subtest 2	A	164	265	9.0	0.94	--	--	40	2.9	2.4	0.82	--	--	--
	B	158	262	9.2	0.92	--	--	40	2.9	2.5	0.79	--	--	--
	C	209	268	8.2	0.96	--	--	40	2.9	2.3	0.77	--	--	--
	D	218	267	8.5	0.96	--	--	40	3.0	2.4	0.77	--	--	--
	E	232	266	9.0	0.96	--	--	40	2.9	2.4	0.72	--	--	--
	F	251	265	9.0	0.96	--	--	40	2.9	2.4	0.79	--	--	--
	G	184	264	8.9	0.95	--	--	40	2.9	2.4	0.80	--	--	--
	H	173	263	8.9	0.94	--	--	40	2.8	2.4	0.80	--	--	--
	J	195	266	8.8	0.94	--	--	40	2.9	2.3	0.82	--	--	--
	K	173	268	8.2	0.96	--	--	40	2.9	2.3	0.75	--	--	--

(Continued)

NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

**Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017**

TEST FORM STATISTICS REPORT

Test Field	Form	Number of Tests Taken	Total Test Scaled Score Indices					Multiple-Choice Section				Open Response Section		Pearson Corr. of MC & OR Section Scores
			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient		
						Fixed	Random					I Fixed	I Random	
026 Elementary Education (Grades K-6) Subtest 3	A	234	255	9.8	0.85	--	--	40	2.9	2.6	0.79	--	--	--
	B	237	251	10.0	0.82	--	--	40	2.9	2.7	0.79	--	--	--
	C	187	254	9.8	0.89	--	--	40	2.9	2.6	0.80	--	--	--
	D	180	250	10.0	0.87	--	--	40	2.9	2.7	0.79	--	--	--
	E	180	251	10.0	0.80	--	--	40	3.0	2.7	0.81	--	--	--
	F	179	252	10.0	0.83	--	--	40	2.9	2.7	0.78	--	--	--
	G	185	253	9.7	0.83	--	--	40	2.9	2.6	0.81	--	--	--
	H	209	249	9.9	0.80	--	--	40	2.9	2.6	0.79	--	--	--
	J	214	251	9.8	0.84	--	--	40	2.9	2.6	0.78	--	--	--
	K	210	252	9.9	0.82	--	--	40	2.9	2.6	0.79	--	--	--
	L	193	252	10.1	0.81	--	--	40	3.0	2.7	0.79	--	--	--
M	153	251	10.2	0.86	--	--	40	3.0	2.7	0.79	--	--	--	

(Continued)

NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

**Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017**

TEST FORM STATISTICS REPORT

Test Field	Form	Number of Tests Taken	Total Test Scaled Score Indices					Multiple-Choice Section				Open Response Section		Pearson Corr. of MC & OR Section Scores
			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient		
						Fixed	Random					I Fixed	I Random	
030 Middle Level Communication Arts/Literature (Grades 5-8) Subtest 1	A	18	267	--	--	--	--	40	--	--	--	--	--	--
	B	12	273	--	--	--	--	40	--	--	--	--	--	--
	C	16	271	--	--	--	--	40	--	--	--	--	--	--
	D	11	272	--	--	--	--	40	--	--	--	--	--	--
031 Middle Level Communication Arts/Literature (Grades 5-8) Subtest 2	A	32	270	--	--	--	--	40	--	--	--	--	--	--
	B	25	273	--	--	--	--	40	--	--	--	--	--	--
032 Middle Level Social Studies (Grades 5-8) Subtest 1	A	20	259	--	--	--	--	40	--	--	--	--	--	--
	B	26	262	--	--	--	--	40	--	--	--	--	--	--
033 Middle Level Social Studies (Grades 5-8) Subtest 2	A	27	261	--	--	--	--	40	--	--	--	--	--	--
	B	18	270	--	--	--	--	40	--	--	--	--	--	--

(Continued)

NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

**Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017**

TEST FORM STATISTICS REPORT

Test Field	Form	Number of Tests Taken	Total Test Scaled Score Indices					Multiple-Choice Section				Open Response Section		Pearson Corr. of MC & OR Section Scores
			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient		
						Fixed	Random					I Fixed	I Random	
034 Middle Level Mathematics (Grades 5-8) Subtest 1	A	46	243	--	--	--	--	40	--	--	--	--	--	--
	B	47	245	--	--	--	--	40	--	--	--	--	--	--
	C	29	239	--	--	--	--	40	--	--	--	--	--	--
	D	47	245	--	--	--	--	40	--	--	--	--	--	--
035 Middle Level Mathematics (Grades 5-8) Subtest 2	A	40	249	--	--	--	--	40	--	--	--	--	--	--
	B	24	248	--	--	--	--	40	--	--	--	--	--	--
	C	41	250	--	--	--	--	40	--	--	--	--	--	--
	D	36	256	--	--	--	--	40	--	--	--	--	--	--
036 Middle Level Science (Grades 5-8) Subtest 1	A	90	271	--	--	--	--	40	--	--	--	--	--	--
	B	86	268	--	--	--	--	40	--	--	--	--	--	--

(Continued)

NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

**Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017**

TEST FORM STATISTICS REPORT

Test Field	Form	Number of Tests Taken	Total Test Scaled Score Indices					Multiple-Choice Section				Open Response Section		Pearson Corr. of MC & OR Section Scores
			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient		
						Fixed	Random					I Fixed	I Random	
037 Middle Level Science (Grades 5-8) Subtest 2	A	107	265	8.3	0.94	--	--	40	3.0	2.5	0.82	--	--	--
	B	73	267	--	--	--	--	40	--	--	--	--	--	--
050 Communication Arts/Literature (Grades 5-12) Subtest 1	A	148	275	7.2	0.99	--	--	40	3.0	2.3	0.77	--	--	--
	B	148	273	7.4	0.99	--	--	40	2.9	2.2	0.69	--	--	--
051 Communication Arts/Literature (Grades 5-12) Subtest 2	A	44	269	--	--	--	--	40	--	--	--	--	--	--
	B	101	264	9.2	0.96	--	--	40	2.9	2.4	0.66	--	--	--
	C	51	270	--	--	--	--	40	--	--	--	--	--	--
	D	41	272	--	--	--	--	40	--	--	--	--	--	--
	E	31	267	--	--	--	--	40	--	--	--	--	--	--
	F	19	271	--	--	--	--	40	--	--	--	--	--	--
	G	10	271	--	--	--	--	40	--	--	--	--	--	--
	H	2	--	--	--	--	--	40	--	--	--	--	--	--

(Continued)

NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

**Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017**

TEST FORM STATISTICS REPORT

Test Field	Form	Number of Tests Taken	Total Test Scaled Score Indices					Multiple-Choice Section				Open Response Section		Pearson Corr. of MC & OR Section Scores
			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient		
						Fixed	Random					I Fixed	I Random	
052 Social Studies (Grades 5-12) Subtest 1	A	52	256	--	--	--	--	40	--	--	--	--	--	--
	B	58	256	--	--	--	--	40	--	--	--	--	--	--
	C	87	252	--	--	--	--	40	--	--	--	--	--	--
	D	114	258	8.8	0.88	--	--	40	2.9	2.6	0.78	--	--	--
053 Social Studies (Grades 5-12) Subtest 2	A	8	--	--	--	--	--	40	--	--	--	--	--	--
	B	7	--	--	--	--	--	40	--	--	--	--	--	--
	C	91	242	--	--	--	--	40	--	--	--	--	--	--
	D	90	242	--	--	--	--	40	--	--	--	--	--	--
	E	103	240	10.6	0.67	--	--	40	2.9	2.8	0.55	--	--	--
	F	103	244	9.8	0.83	--	--	40	2.9	2.8	0.66	--	--	--

(Continued)

NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

**Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017**

TEST FORM STATISTICS REPORT

Test Field	Form	Number of Tests Taken	Total Test Scaled Score Indices					Multiple-Choice Section				Open Response Section		Pearson Corr. of MC & OR Section Scores
			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient		
						Fixed	Random					I Fixed	I Random	
054 Mathematics (Grades 5-12) Subtest 1	A	78	248	--	--	--	--	40	--	--	--	--	--	--
	B	67	246	--	--	--	--	40	--	--	--	--	--	--
	C	53	247	--	--	--	--	40	--	--	--	--	--	--
	D	82	250	--	--	--	--	40	--	--	--	--	--	--
055 Mathematics (Grades 5-12) Subtest 2	A	68	256	--	--	--	--	40	--	--	--	--	--	--
	B	54	253	--	--	--	--	40	--	--	--	--	--	--
	C	62	250	--	--	--	--	40	--	--	--	--	--	--
	D	56	256	--	--	--	--	40	--	--	--	--	--	--
056 Health (Grades 5-12) Subtest 1	A	11	275	--	--	--	--	40	--	--	--	--	--	--
	B	10	271	--	--	--	--	40	--	--	--	--	--	--
	C	48	272	--	--	--	--	40	--	--	--	--	--	--
	D	60	270	--	--	--	--	40	--	--	--	--	--	--

(Continued)

NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

**Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017**

TEST FORM STATISTICS REPORT

Test Field	Form	Number of Tests Taken	Total Test Scaled Score Indices					Multiple-Choice Section				Open Response Section		Pearson Corr. of MC & OR Section Scores
			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient		
						Fixed	Random					I Fixed	I Random	
057 Health (Grades 5-12) Subtest 2	A	4	--	--	--	--	--	40	--	--	--	--	--	--
	B	17	269	--	--	--	--	40	--	--	--	--	--	--
	C	51	271	--	--	--	--	40	--	--	--	--	--	--
	D	57	270	--	--	--	--	40	--	--	--	--	--	--
058 Chemistry (Grades 9-12) Subtest 1	A	31	265	--	--	--	--	40	--	--	--	--	--	--
	B	25	273	--	--	--	--	40	--	--	--	--	--	--
059 Chemistry (Grades 9-12) Subtest 2	A	34	273	--	--	--	--	40	--	--	--	--	--	--
	B	21	267	--	--	--	--	40	--	--	--	--	--	--
060 Earth and Space Science (Grades 9-12) Subtest 1	A	2	--	--	--	--	--	40	--	--	--	--	--	--
	B	6	--	--	--	--	--	40	--	--	--	--	--	--
	C	11	252	--	--	--	--	40	--	--	--	--	--	--

(Continued)

NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

**Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017**

TEST FORM STATISTICS REPORT

Test Field	Form	Number of Tests Taken	Total Test Scaled Score Indices					Multiple-Choice Section				Open Response Section		Pearson Corr. of MC & OR Section Scores
			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient		
						Fixed	Random					I Fixed	I Random	
061 Earth and Space Science (Grades 9-12) Subtest 2	A	3	--	--	--	--	--	40	--	--	--	--	--	--
	B	12	234	--	--	--	--	40	--	--	--	--	--	--
	C	13	232	--	--	--	--	40	--	--	--	--	--	--
062 Life Science (Grades 9-12) Subtest 1	A	72	255	--	--	--	--	40	--	--	--	--	--	--
	B	85	255	--	--	--	--	40	--	--	--	--	--	--
063 Life Science (Grades 9-12) Subtest 2	A	76	254	--	--	--	--	40	--	--	--	--	--	--
	B	75	253	--	--	--	--	40	--	--	--	--	--	--
064 Physics (Grades 9-12) Subtest 1	A	21	253	--	--	--	--	40	--	--	--	--	--	--
	B	16	257	--	--	--	--	40	--	--	--	--	--	--

(Continued)

NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

**Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017**

TEST FORM STATISTICS REPORT

Test Field	Form	Number of Tests Taken	Total Test Scaled Score Indices					Multiple-Choice Section				Open Response Section		Pearson Corr. of MC & OR Section Scores
			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient		
						Fixed	Random					I Fixed	I Random	
065 Physics (Grades 9-12) Subtest 2	A	18	248	--	--	--	--	40	--	--	--	--	--	--
	B	26	235	--	--	--	--	40	--	--	--	--	--	--
080 Technology (Grades 5-12) Subtest 1	A	8	--	--	--	--	--	40	--	--	--	--	--	--
081 Technology (Grades 5-12) Subtest 2	A	7	--	--	--	--	--	40	--	--	--	--	--	--
082 Business (Grades 5-12) Subtest 1	A	12	253	--	--	--	--	40	--	--	--	--	--	--
	B	6	--	--	--	--	--	40	--	--	--	--	--	--
083 Business (Grades 5-12) Subtest 2	A	8	--	--	--	--	--	40	--	--	--	--	--	--
	B	8	--	--	--	--	--	40	--	--	--	--	--	--
084 Family and Consumer Sciences (Grades 5-12) Subtest 1	A	21	267	--	--	--	--	40	--	--	--	--	--	--
085 Family and Consumer Sciences (Grades 5-12) Subtest 2	A	17	258	--	--	--	--	40	--	--	--	--	--	--
	B	4	--	--	--	--	--	40	--	--	--	--	--	--
	C	3	--	--	--	--	--	40	--	--	--	--	--	--

(Continued)

NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

**Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017**

TEST FORM STATISTICS REPORT

Test Field	Form	Number of Tests Taken	Total Test Scaled Score Indices					Multiple-Choice Section				Open Response Section		Pearson Corr. of MC & OR Section Scores
			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient		
						Fixed	Random					I Fixed	I Random	
086 Agricultural Education (Grades 5-12) Subtest 1	A	15	261	--	--	--	--	40	--	--	--	--	--	--
	B	5	--	--	--	--	--	40	--	--	--	--	--	--
087 Agricultural Education (Grades 5-12) Subtest 2	A	16	257	--	--	--	--	40	--	--	--	--	--	--
	B	3	--	--	--	--	--	40	--	--	--	--	--	--
	C	2	--	--	--	--	--	40	--	--	--	--	--	--
100 Reading Teacher (Grades K-12) Subtest 1	A	136	273	7.9	0.98	--	--	40	3.1	2.4	0.78	--	--	--
	B	175	268	8.2	0.97	--	--	40	2.9	2.3	0.70	--	--	--
101 Reading Teacher (Grades K-12) Subtest 2	A	158	269	8.6	0.98	--	--	40	2.9	2.3	0.76	--	--	--
	B	161	267	8.7	0.95	--	--	40	2.9	2.3	0.80	--	--	--

(Continued)

NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

**Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017**

TEST FORM STATISTICS REPORT

Test Field	Form	Number of Tests Taken	Total Test Scaled Score Indices					Multiple-Choice Section				Open Response Section		Pearson Corr. of MC & OR Section Scores
			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient		
						Fixed	Random					I Fixed	I Random	
102 Library Media Specialist (Grades K-12) Subtest 1	A	1	--	--	--	--	--	40	--	--	--	--	--	--
	B	18	254	--	--	--	--	40	--	--	--	--	--	--
	C	24	261	--	--	--	--	40	--	--	--	--	--	--
103 Library Media Specialist (Grades K-12) Subtest 2	A	1	--	--	--	--	--	40	--	--	--	--	--	--
	B	25	254	--	--	--	--	40	--	--	--	--	--	--
	C	24	256	--	--	--	--	40	--	--	--	--	--	--
104 Visual Arts (Grades K-12) Subtest 1	A	43	263	--	--	--	--	40	--	--	--	--	--	--
	B	49	262	--	--	--	--	40	--	--	--	--	--	--
105 Visual Arts (Grades K-12) Subtest 2	A	12	265	--	--	--	--	40	--	--	--	--	--	--
	C	43	255	--	--	--	--	40	--	--	--	--	--	--
	D	40	254	--	--	--	--	40	--	--	--	--	--	--
	E	4	--	--	--	--	--	40	--	--	--	--	--	--

(Continued)

NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

**Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017**

TEST FORM STATISTICS REPORT

Test Field	Form	Number of Tests Taken	Total Test Scaled Score Indices					Multiple-Choice Section				Open Response Section		Pearson Corr. of MC & OR Section Scores
			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient		
						Fixed	Random					I Fixed	I Random	
106 Instrumental and Vocal Classroom Music (Grades K-12) Subtest 1	A	80	265	--	--	--	--	40	--	--	--	--	--	--
	B	68	268	--	--	--	--	40	--	--	--	--	--	--
108 Theatre (Grades K-12) Subtest 1	A	13	261	--	--	--	--	40	--	--	--	--	--	--
109 Theatre (Grades K-12) Subtest 2	A	11	271	--	--	--	--	40	--	--	--	--	--	--
110 Dance (Grades K-12) Subtest 1	A	8	--	--	--	--	--	40	--	--	--	--	--	--
111 Dance (Grades K-12) Subtest 2	A	8	--	--	--	--	--	40	--	--	--	--	--	--
112 Physical Education (Grades K-12) Subtest 1	A	87	266	--	--	--	--	40	--	--	--	--	--	--
	B	95	260	--	--	--	--	40	--	--	--	--	--	--
113 Physical Education (Grades K-12) Subtest 2	A	97	263	--	--	--	--	40	--	--	--	--	--	--
	B	76	262	--	--	--	--	40	--	--	--	--	--	--

(Continued)

NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

**Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017**

TEST FORM STATISTICS REPORT

Test Field	Form	Number of Tests Taken	Total Test Scaled Score Indices					Multiple-Choice Section				Open Response Section		Pearson Corr. of MC & OR Section Scores
			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient		
						Fixed	Random					I Fixed	I Random	
114 English as a Second Language (Grades K-12) Subtest 1	A	33	268	--	--	--	--	40	--	--	--	--	--	--
	B	31	267	--	--	--	--	40	--	--	--	--	--	--
	C	109	263	8.6	0.93	--	--	40	3.0	2.6	0.75	--	--	--
	D	100	265	8.1	0.93	--	--	40	2.9	2.4	0.79	--	--	--
115 English as a Second Language (Grades K-12) Subtest 2	A	109	257	9.6	0.86	--	--	40	2.9	2.6	0.81	--	--	--
	B	106	255	9.8	0.85	--	--	40	2.9	2.6	0.79	--	--	--
	C	51	256	--	--	--	--	40	--	--	--	--	--	--
	D	35	251	--	--	--	--	40	--	--	--	--	--	--
130 Computer, Keyboarding, and Related Technology (Grades K-12) Subtest 1	A	16	270	--	--	--	--	40	--	--	--	--	--	--
131 Computer, Keyboarding, and Related Technology (Grades K-12) Subtest 2	A	15	267	--	--	--	--	40	--	--	--	--	--	--

(Continued)

NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

**Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017**

TEST FORM STATISTICS REPORT

Test Field	Form	Number of Tests Taken	Total Test Scaled Score Indices					Multiple-Choice Section				Open Response Section		Pearson Corr. of MC & OR Section Scores
			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient		
						Fixed	Random					I Fixed	I Random	
158 World Language and Culture: Chinese (Mandarin) (Grades K-12) Subtest 1	A	7	--	--	--	--	--	--	--	--	--	--	--	--
	B	4	--	--	--	--	--	--	--	--	--	--	--	--
159 World Language and Culture: Chinese (Mandarin) (Grades K-12) Subtest 2	A	5	--	--	--	--	--	--	--	--	--	--	--	--
	B	8	--	--	--	--	--	--	--	--	--	--	--	--
160 World Language and Culture: French (Grades K-12) Subtest 1	A	25	260	--	--	--	--	80	--	--	--	--	--	--
161 World Language and Culture: French (Grades K-12) Subtest 2	A	19	249	--	--	--	--	--	--	--	--	--	--	--
	B	9	--	--	--	--	--	--	--	--	--	--	--	--
162 World Language and Culture: German (Grades K-12) Subtest 1	A	6	--	--	--	--	--	80	--	--	--	--	--	--

(Continued)

NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

**Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017**

TEST FORM STATISTICS REPORT

Test Field	Form	Number of Tests Taken	Total Test Scaled Score Indices					Multiple-Choice Section					Open Response Section		Pearson Corr. of MC & OR Section Scores
			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient			
						Fixed	Random					I Fixed	I Random		
163 World Language and Culture: German (Grades K-12) Subtest 2	A	3	--	--	--	--	--	--	--	--	--	--	--	--	
	B	2	--	--	--	--	--	--	--	--	--	--	--	--	
164 World Language and Culture: Spanish (Grades K-12) Subtest 1	A	9	--	--	--	--	--	80	--	--	--	--	--	--	
	B	26	252	--	--	--	--	80	--	--	--	--	--	--	
	C	34	251	--	--	--	--	80	--	--	--	--	--	--	
	D	32	250	--	--	--	--	80	--	--	--	--	--	--	
	E	23	255	--	--	--	--	80	--	--	--	--	--	--	
165 World Language and Culture: Spanish (Grades K-12) Subtest 2	A	17	265	--	--	--	--	--	--	--	--	--	--	--	
	B	13	267	--	--	--	--	--	--	--	--	--	--	--	
	C	12	278	--	--	--	--	--	--	--	--	--	--	--	
	D	31	265	--	--	--	--	--	--	--	--	--	--	--	
	E	29	271	--	--	--	--	--	--	--	--	--	--	--	

(Continued)

NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

**Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017**

TEST FORM STATISTICS REPORT

Test Field	Form	Number of Tests Taken	Total Test Scaled Score Indices					Multiple-Choice Section				Open Response Section		Pearson Corr. of MC & OR Section Scores
			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient		
						Fixed	Random					I Fixed	I Random	
184 Instrumental Classroom Music (Grades K-12) Subtest 2	A	45	245	--	--	--	--	40	--	--	--	--	--	--
	B	56	247	--	--	--	--	40	--	--	--	--	--	--
185 Vocal Classroom Music (Grades K-12) Subtest 2	A	40	268	--	--	--	--	40	--	--	--	--	--	--
	B	32	264	--	--	--	--	40	--	--	--	--	--	--
186 Special Education Core Skills (Birth to Age 21) Subtest 1	A	152	246	12.9	0.78	--	--	40	2.8	2.6	0.71	--	--	--
	B	151	248	12.8	0.80	--	--	40	2.8	2.6	0.72	--	--	--
	C	419	246	13.0	0.72	--	--	40	2.8	2.6	0.74	--	--	--
	D	397	246	12.8	0.83	--	--	40	2.8	2.6	0.73	--	--	--

(Continued)

NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

**Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017**

TEST FORM STATISTICS REPORT

Test Field	Form	Number of Tests Taken	Total Test Scaled Score Indices					Multiple-Choice Section				Open Response Section		Pearson Corr. of MC & OR Section Scores
			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient		
						Fixed	Random					I Fixed	I Random	
187 Special Education Core Skills (Birth to Age 21) Subtest 2	A	152	249	13.6	0.82	--	--	40	2.7	2.5	0.73	--	--	--
	B	135	245	13.4	0.78	--	--	40	2.7	2.5	0.82	--	--	--
	C	388	246	13.8	0.84	--	--	40	2.7	2.5	0.76	--	--	--
	D	396	251	13.5	0.84	--	--	40	2.8	2.5	0.74	--	--	--
188 MN NES Essential Academic Skills I: Reading	A	2,772	548	14.0	0.91	--	--	35	2.7	2.3	0.78	--	--	--
	B	305	553	13.5	0.95	--	--	35	2.7	2.2	0.82	--	--	--
	C	273	546	14.3	0.88	--	--	35	2.7	2.3	0.81	--	--	--
	D	141	547	14.3	0.90	--	--	35	2.7	2.3	0.75	--	--	--
	E	151	546	14.8	0.94	--	--	35	2.7	2.2	0.83	--	--	--

(Continued)

NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

**Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017**

TEST FORM STATISTICS REPORT

Test Field	Form	Number of Tests Taken	Total Test Scaled Score Indices					Multiple-Choice Section				Open Response Section		Pearson Corr. of MC & OR Section Scores
			Mean	SEM	Decision Consistency	Stratified Alpha		Length	Keats' SEM	Computed SEM	KR20	G Coefficient		
						Fixed	Random					I Fixed	I Random	
189 MN NES Essential Academic Skills II: Writing	A	3,008	526	16.1	0.81	0.78	0.78	30	2.5	2.2	0.69	0.80	0.80	0.40
	B	353	527	16.0	0.82	0.82	0.82	30	2.5	2.2	0.72	0.87	0.87	0.45
	C	347	528	16.1	0.81	0.81	0.81	30	2.5	2.2	0.71	0.84	0.84	0.47
	D	195	522	15.5	0.78	0.82	0.82	30	2.5	2.3	0.76	0.86	0.86	0.35
	E	169	528	16.1	0.86	0.81	0.81	30	2.4	2.2	0.76	0.77	0.77	0.43
190 MN NES Essential Academic Skills III: Mathematics	A	2,787	536	14.6	0.85	--	--	36	2.7	2.4	0.81	--	--	--
	B	336	532	14.9	0.85	--	--	36	2.7	2.4	0.85	--	--	--
	C	340	533	14.7	0.85	--	--	36	2.7	2.4	0.86	--	--	--
	D	152	534	14.8	0.84	--	--	36	2.7	2.4	0.84	--	--	--
	E	179	535	14.8	0.82	--	--	36	2.7	2.4	0.82	--	--	--

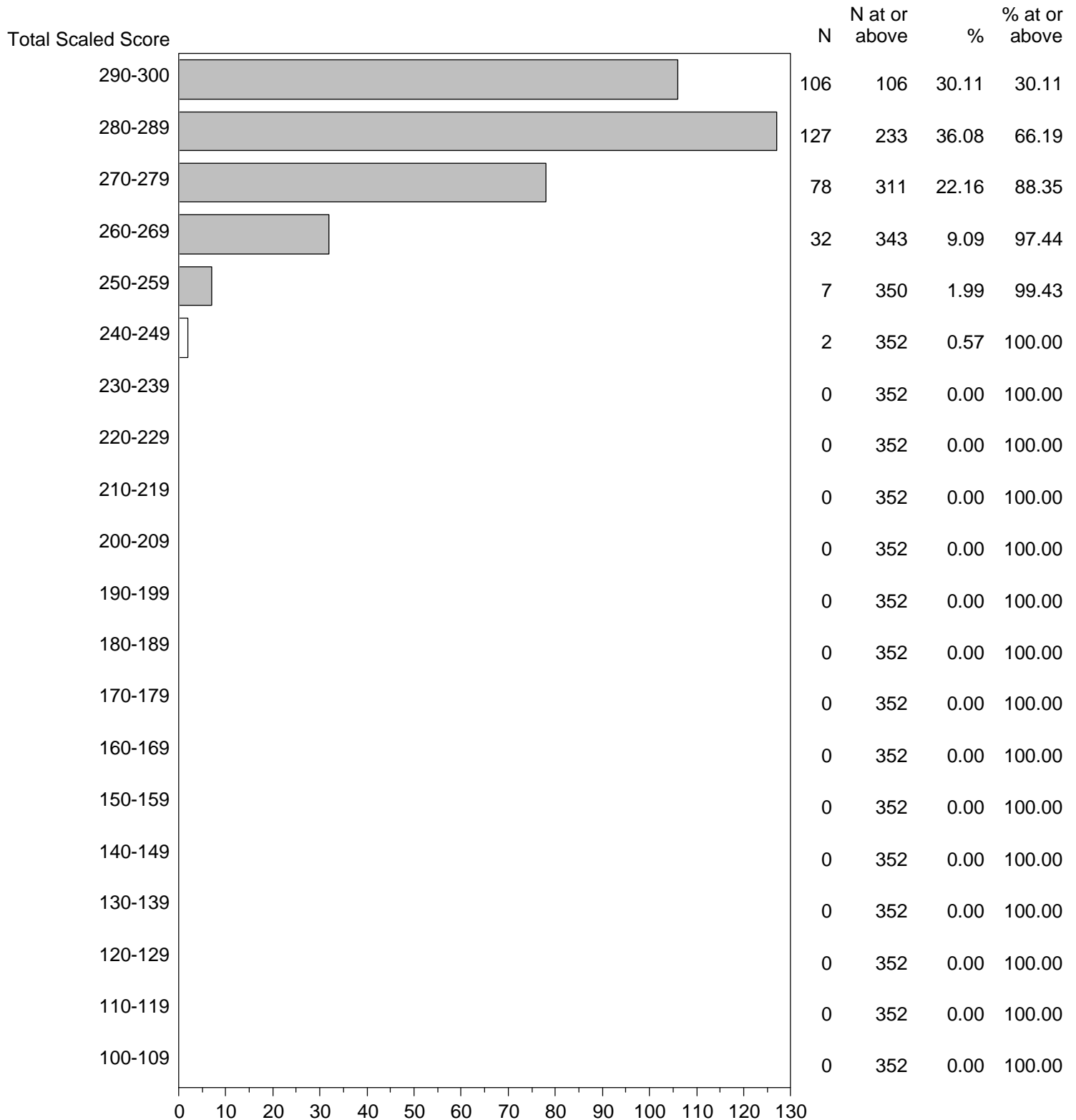
NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Appendix C: Frequency Distributions

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=010 Pedagogy: Early Childhood (Birth to Grade 3) Subtest 1

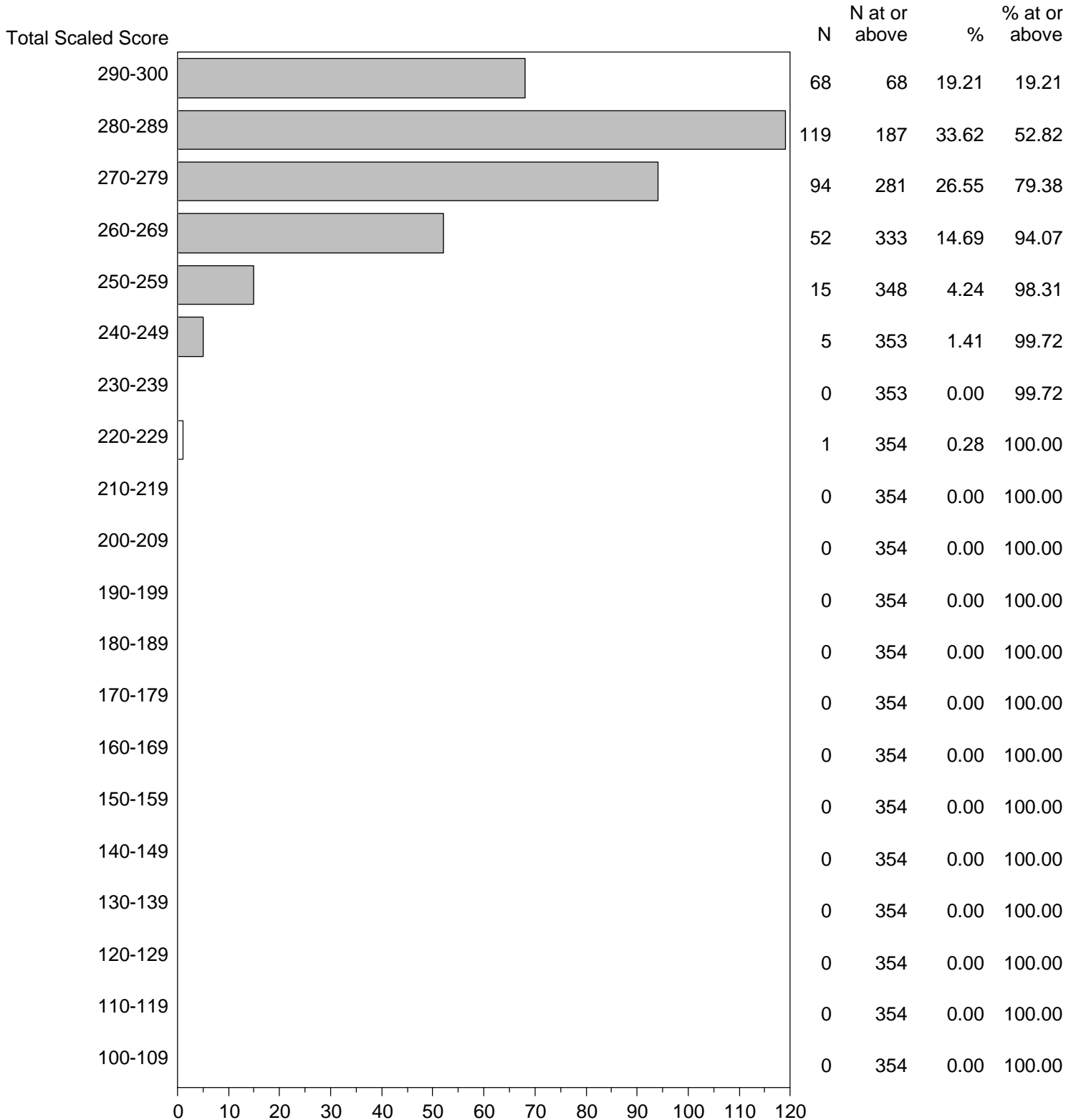


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=011 Pedagogy: Early Childhood (Birth to Grade 3) Subtest 2

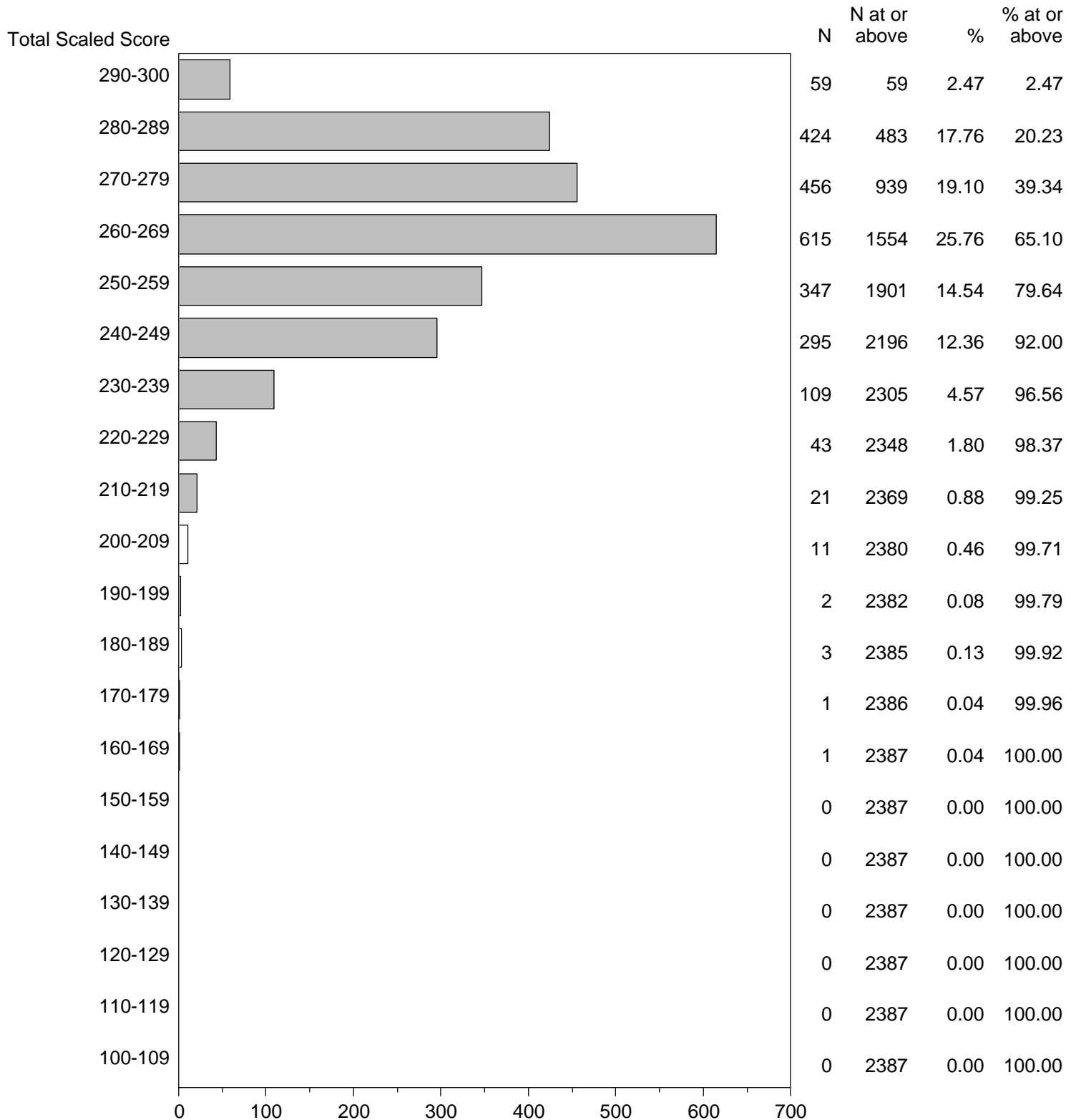


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=012 Pedagogy: Elementary (Grades K-6) Subtest 1

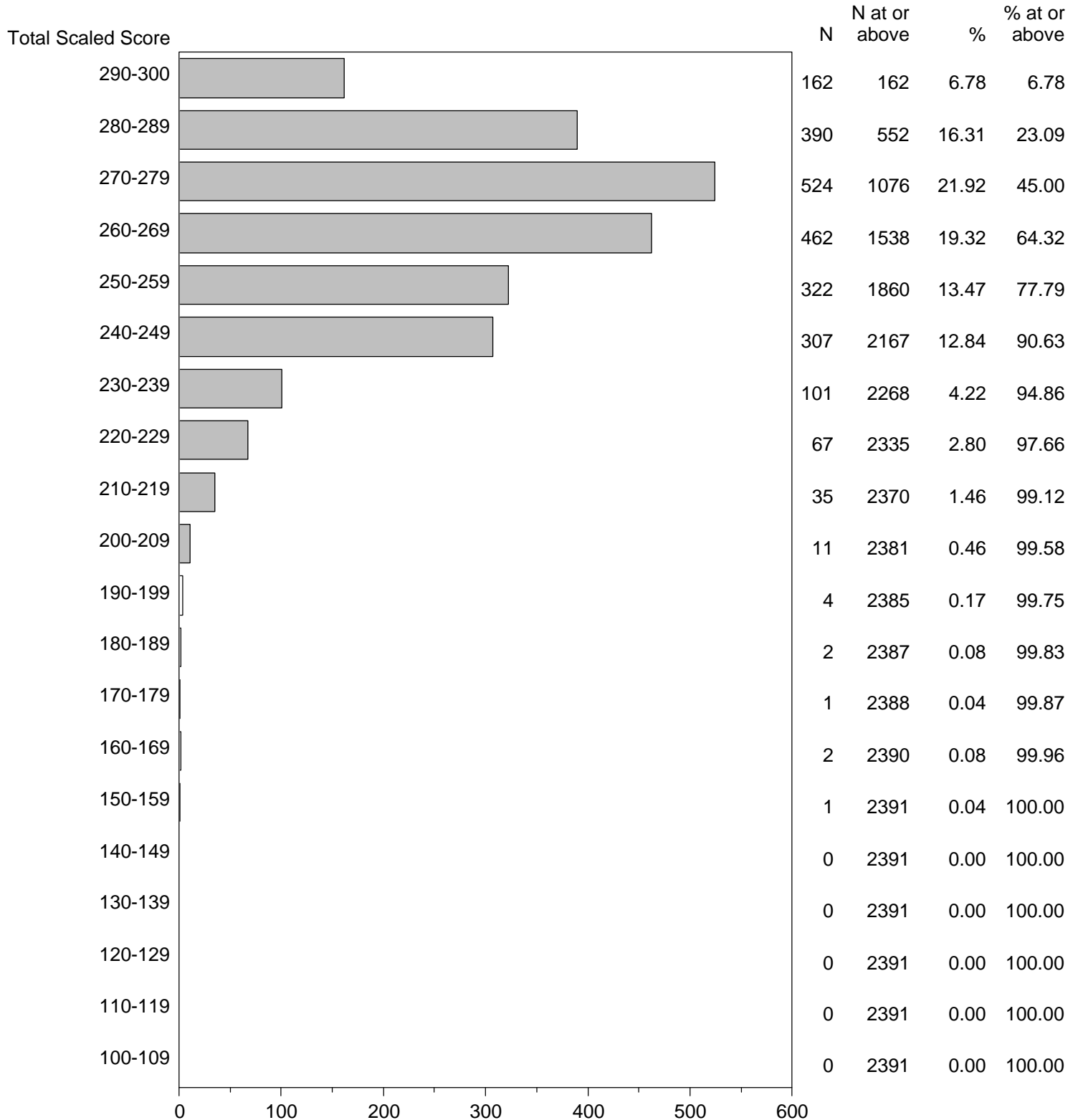


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=013 Pedagogy: Elementary (Grades K-6) Subtest 2

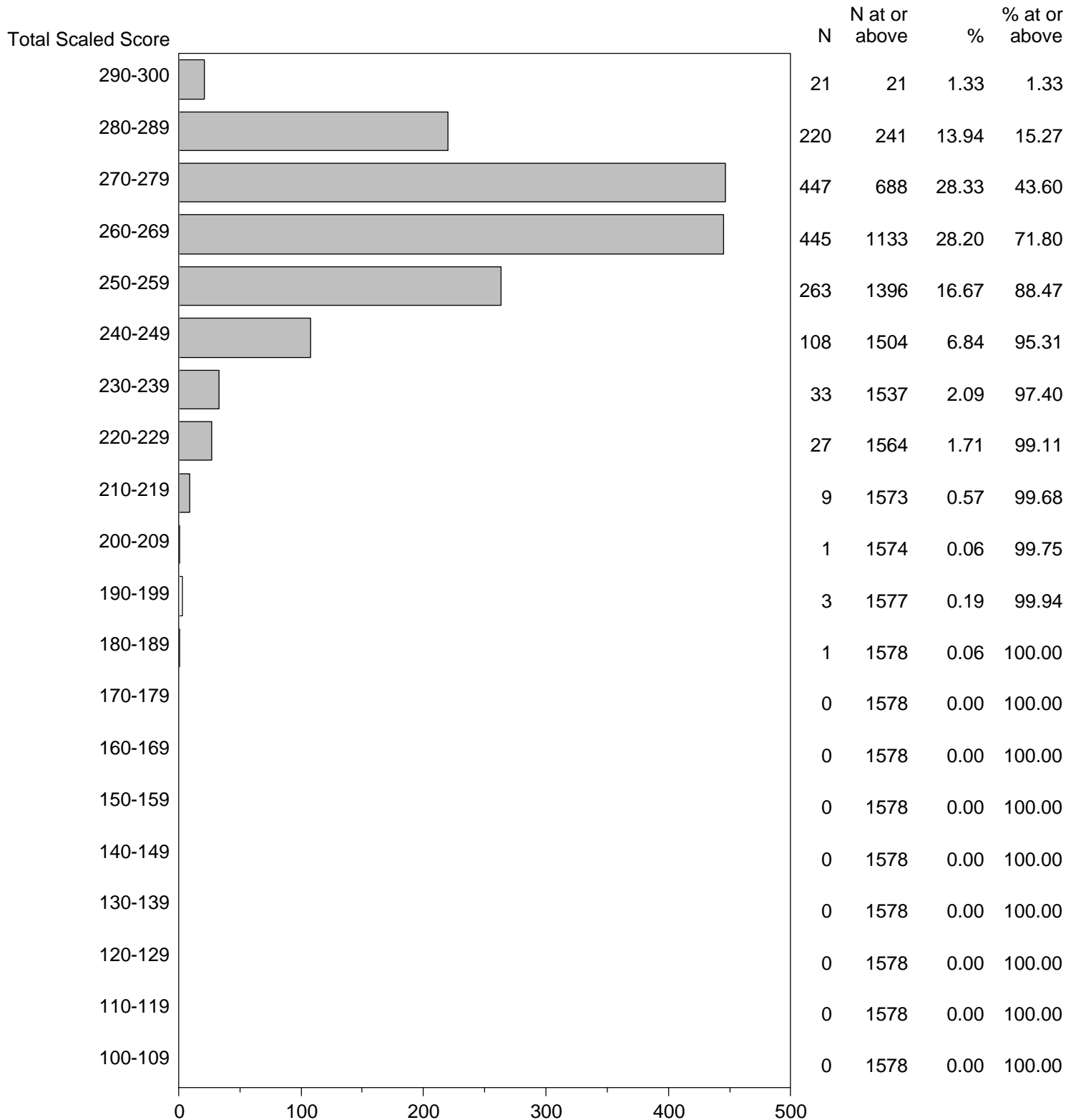


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=014 Pedagogy: Secondary (Grades 5-12) Subtest 1

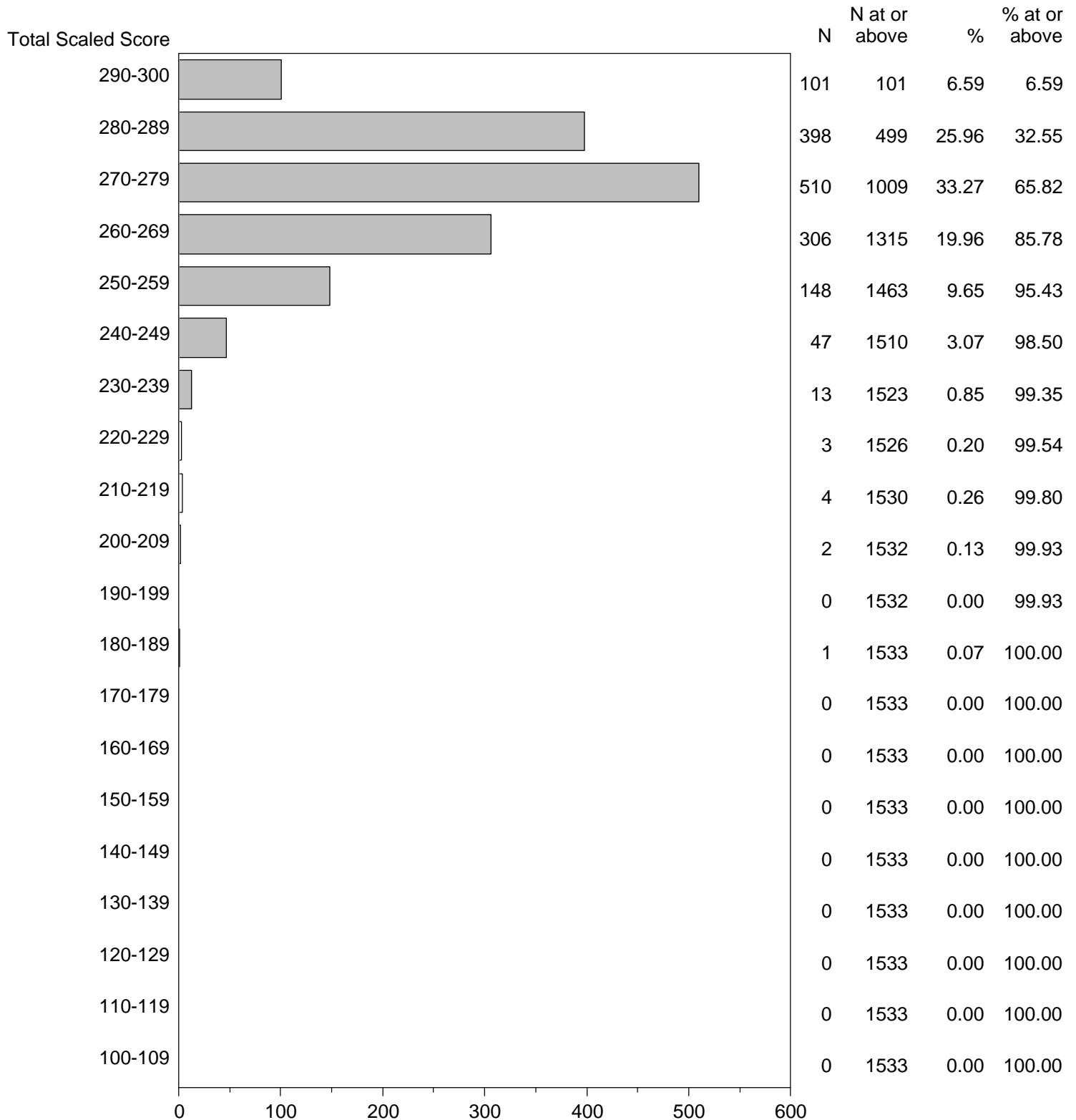


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=015 Pedagogy: Secondary (Grades 5-12) Subtest 2

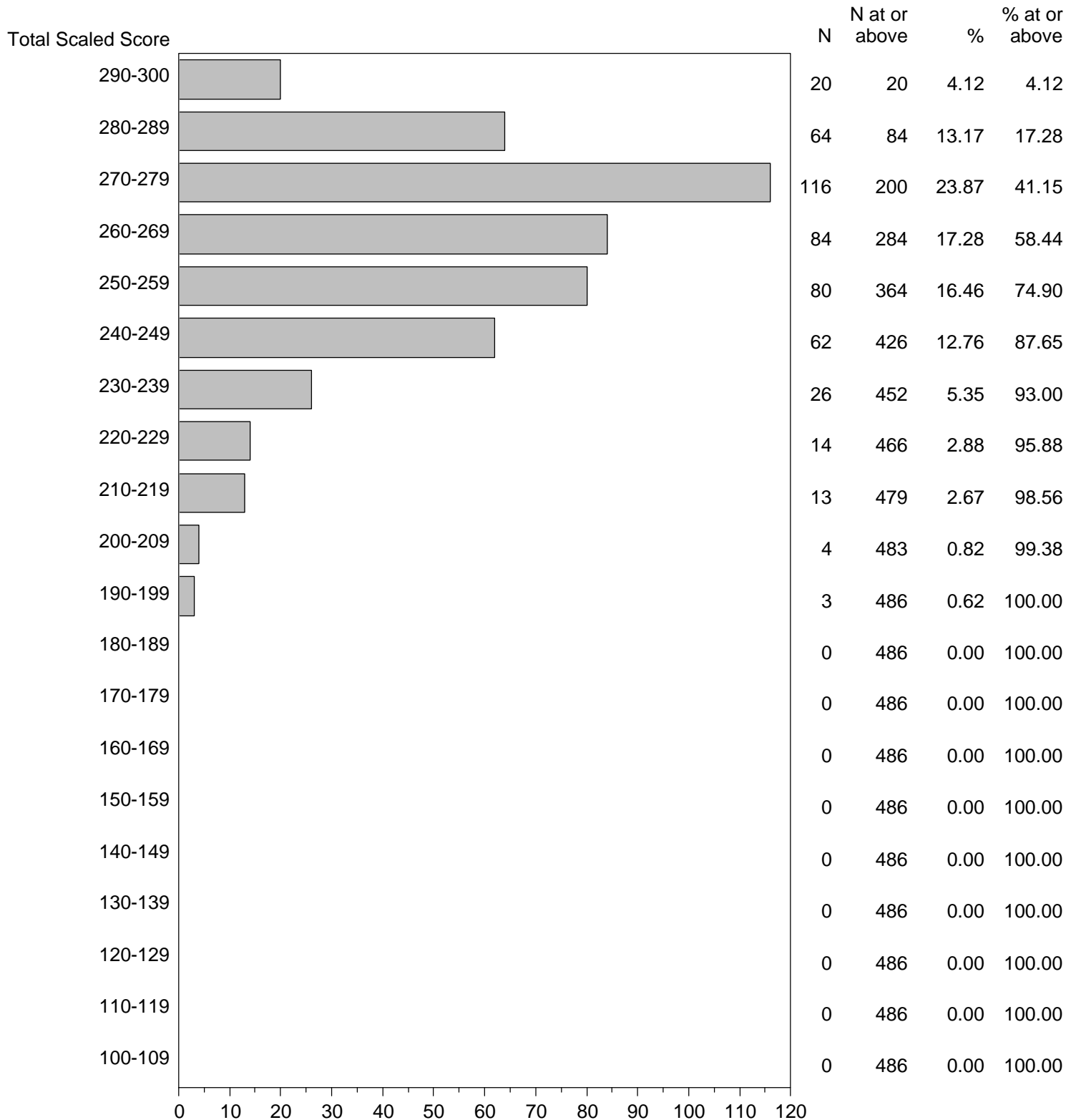


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=020 Early Childhood Education (Birth to Grade 3) Subtest 1

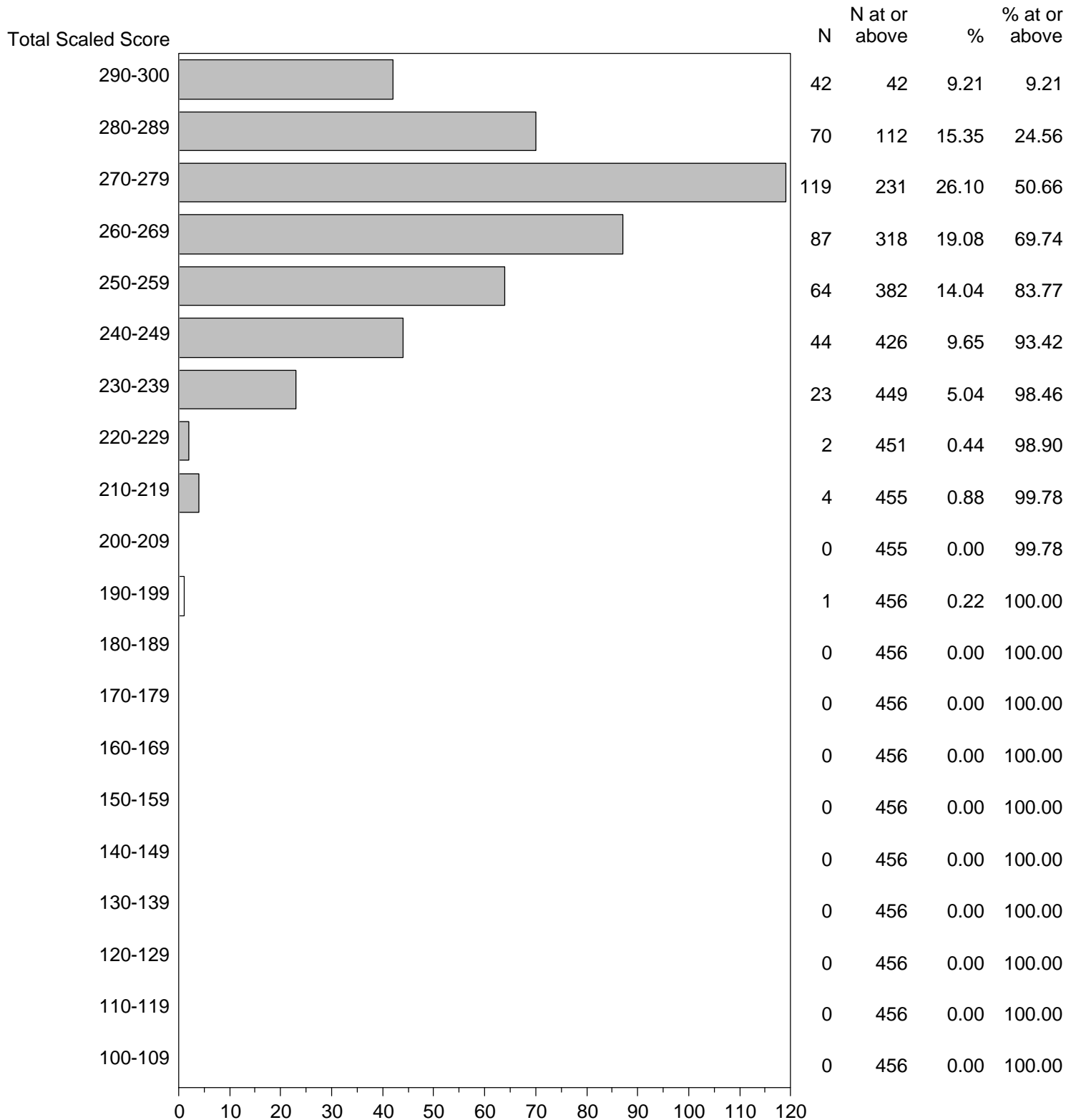


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=021 Early Childhood Education (Birth to Grade 3) Subtest 2

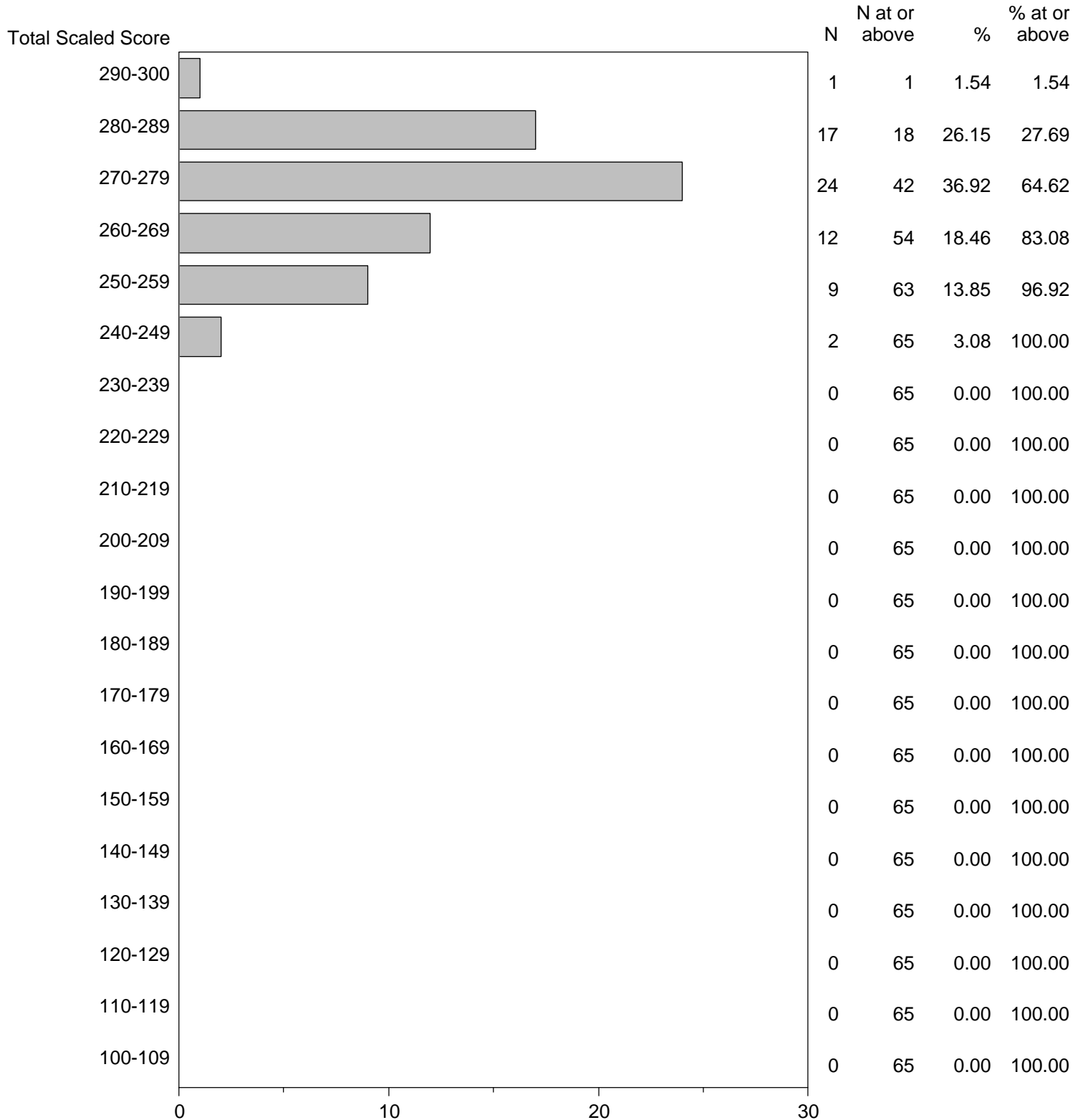


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=022 PrePrimary (Age 3 to PreKindergarten) Subtest 1

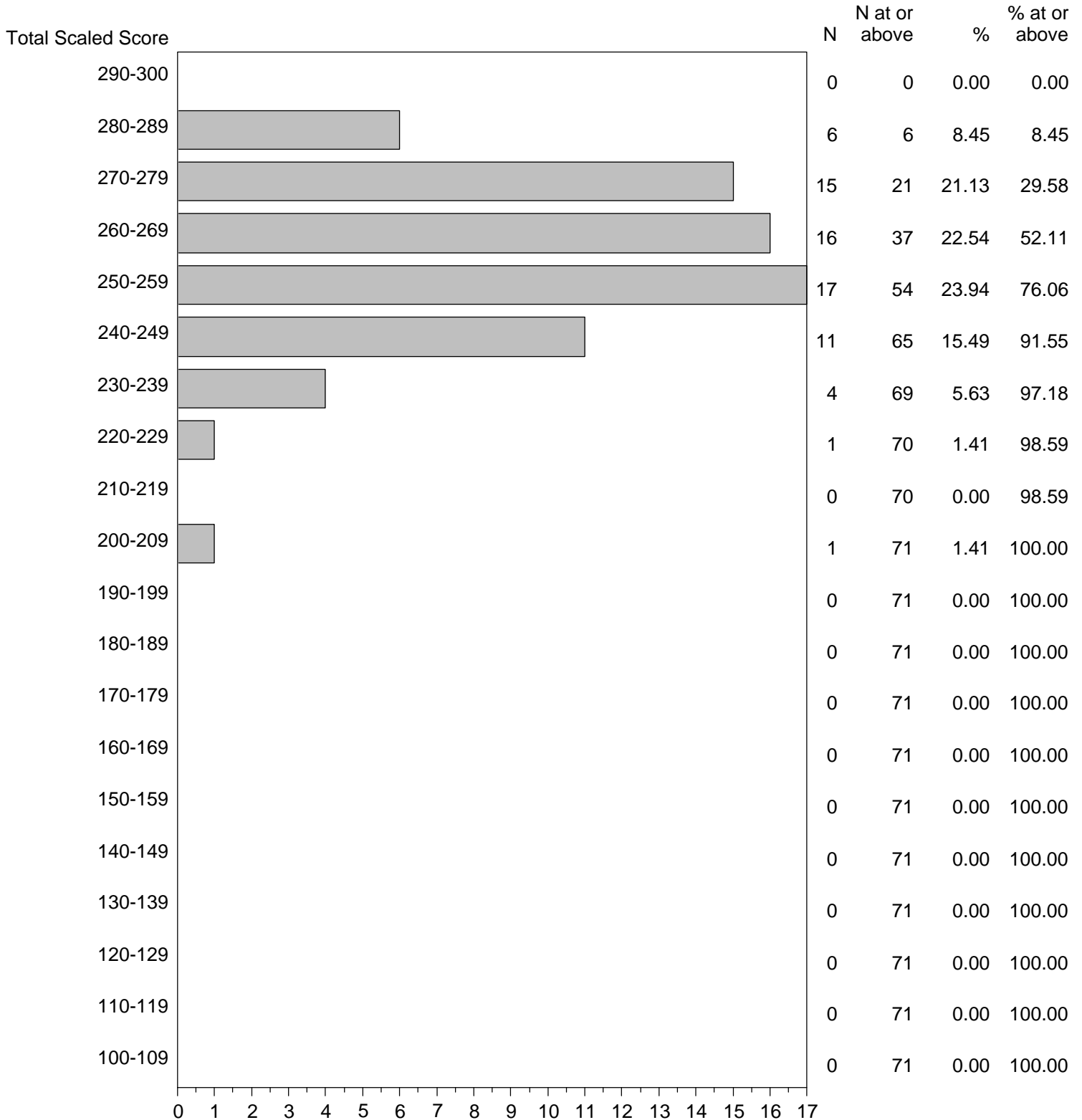


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=023 PrePrimary (Age 3 to PreKindergarten) Subtest 2

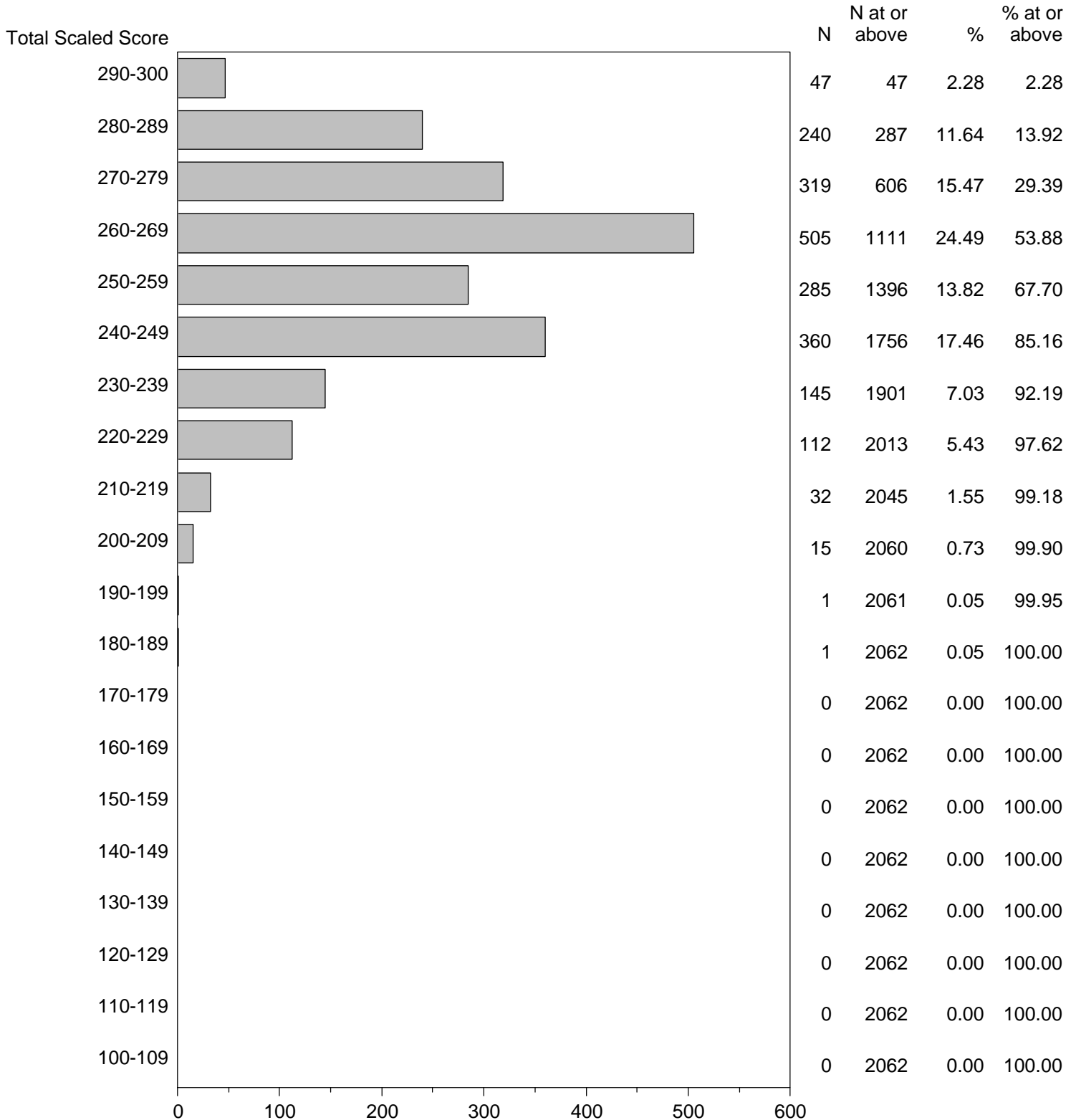


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=024 Elementary Education (Grades K-6) Subtest 1

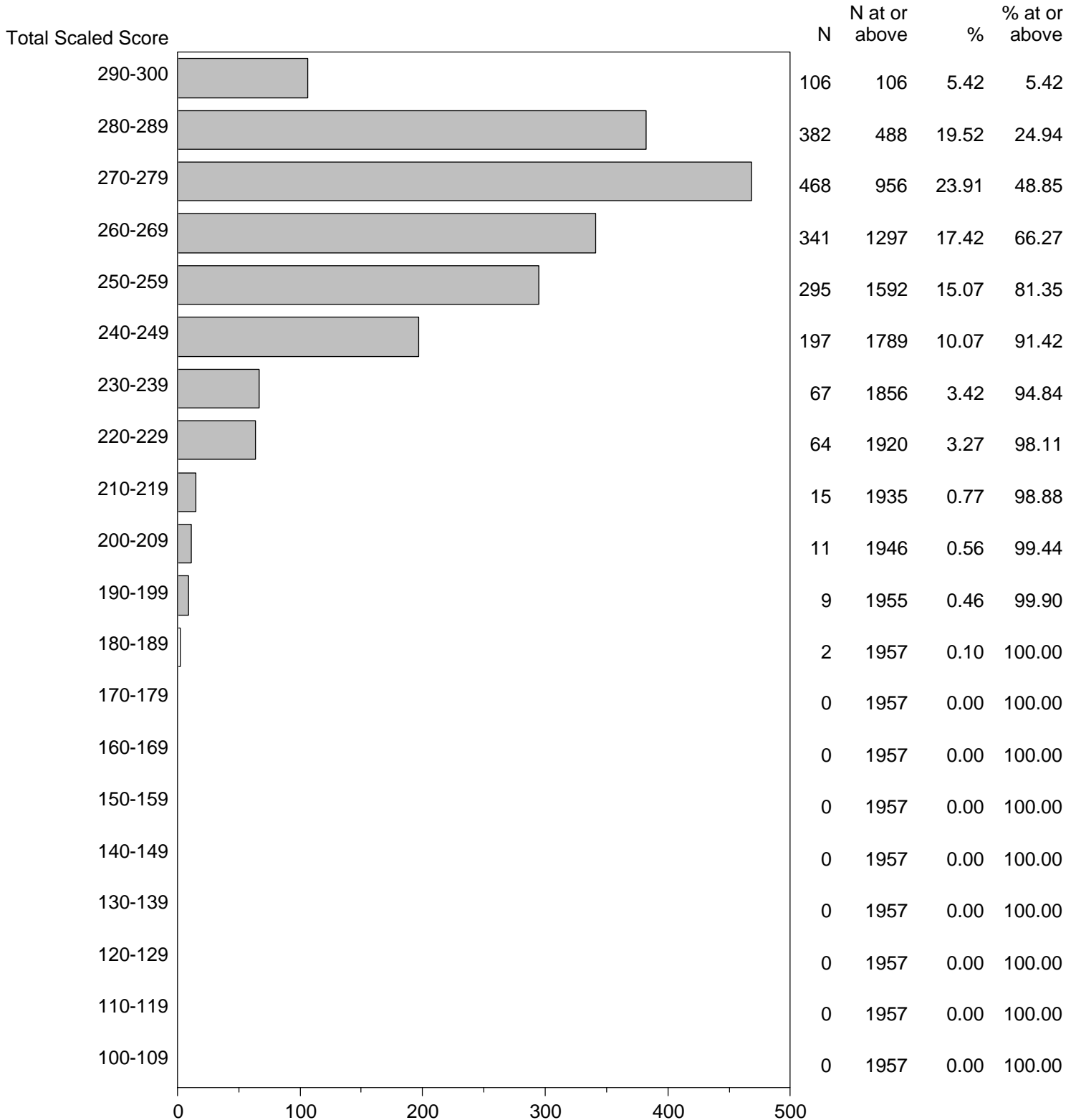


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=025 Elementary Education (Grades K-6) Subtest 2

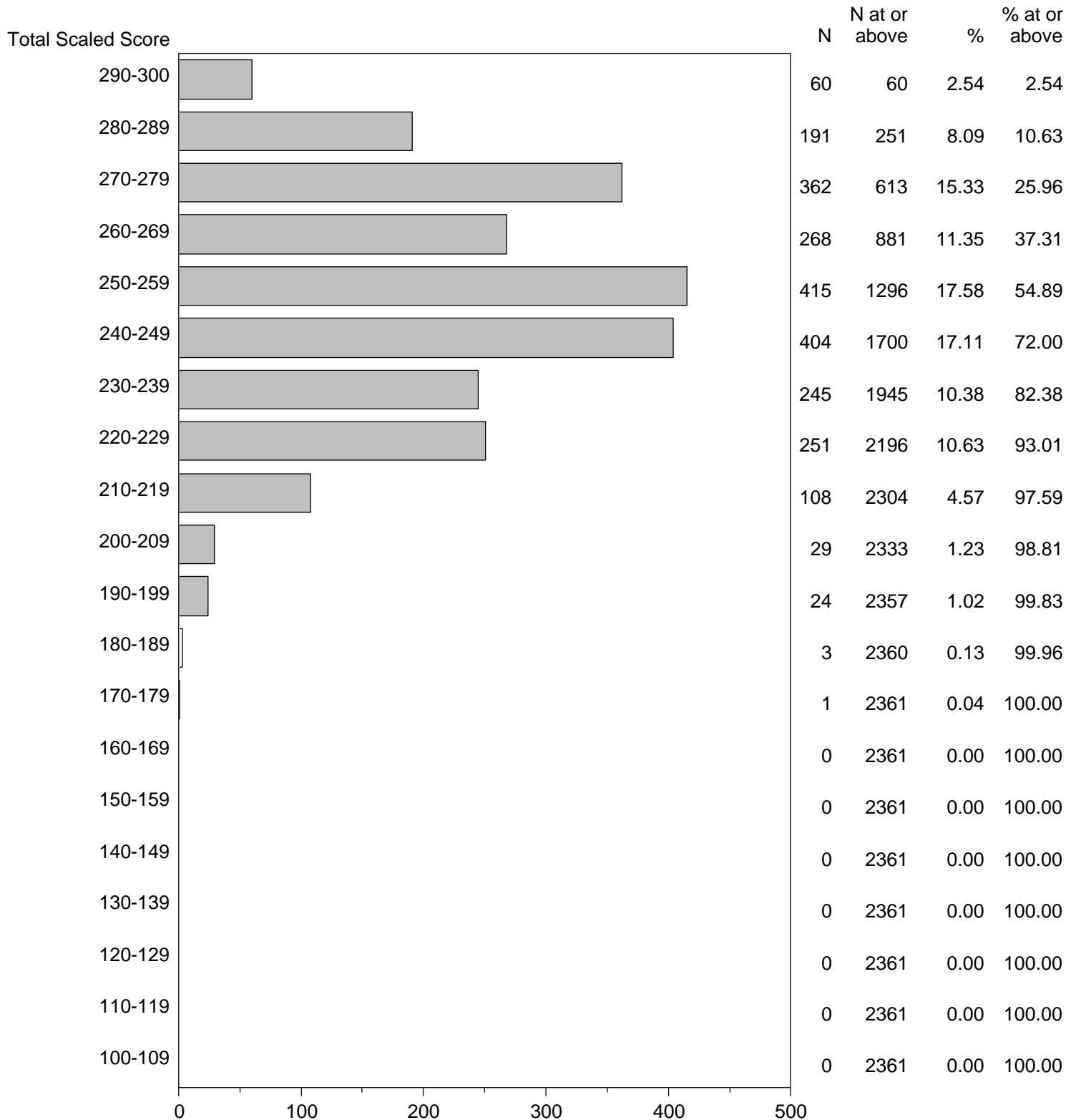


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=026 Elementary Education (Grades K-6) Subtest 3

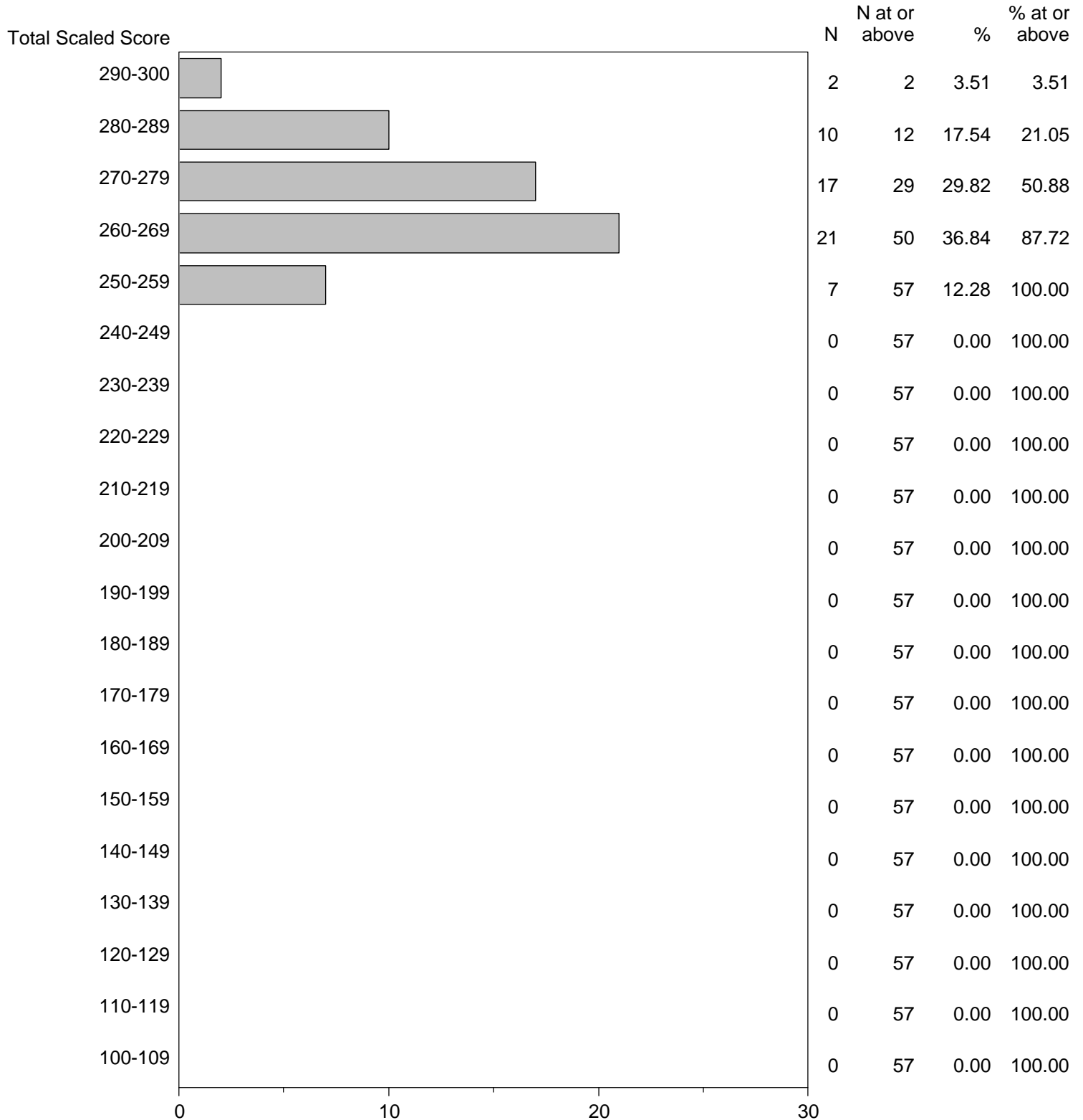


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=030 Middle Level Communication Arts/Literature (Grades 5-8) Subtest 1

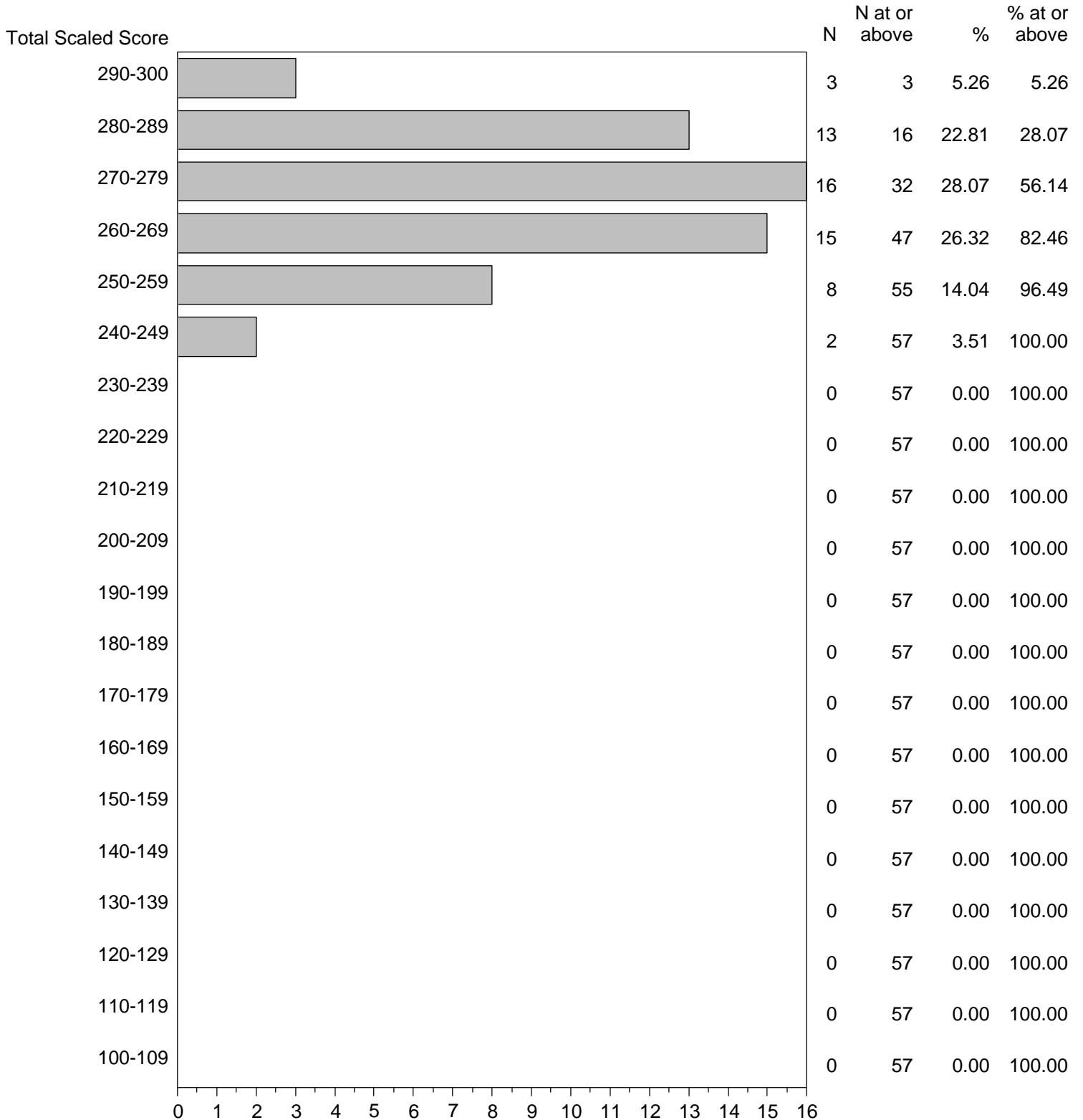


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=031 Middle Level Communication Arts/Literature (Grades 5-8) Subtest 2

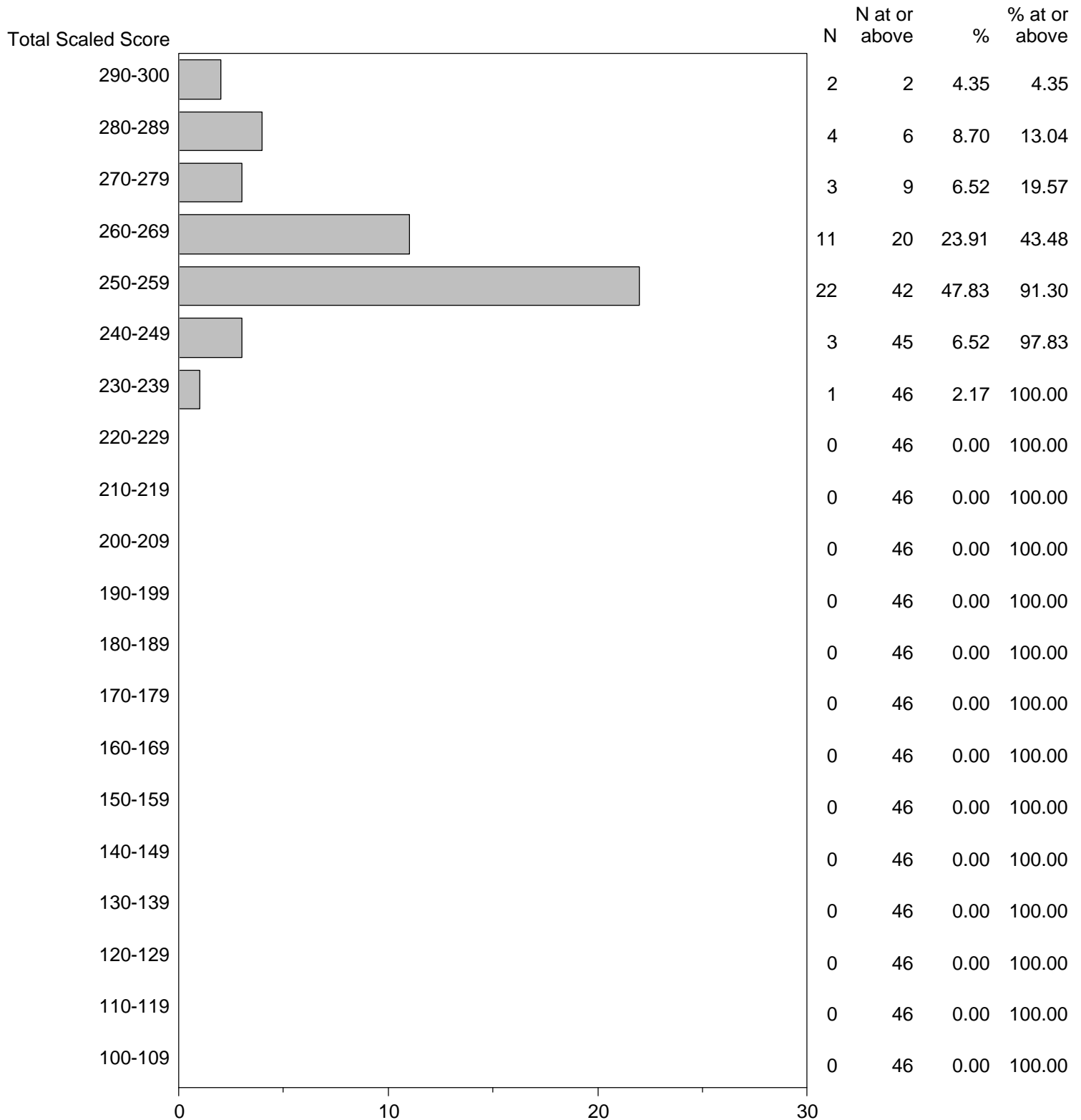


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=032 Middle Level Social Studies (Grades 5-8) Subtest 1

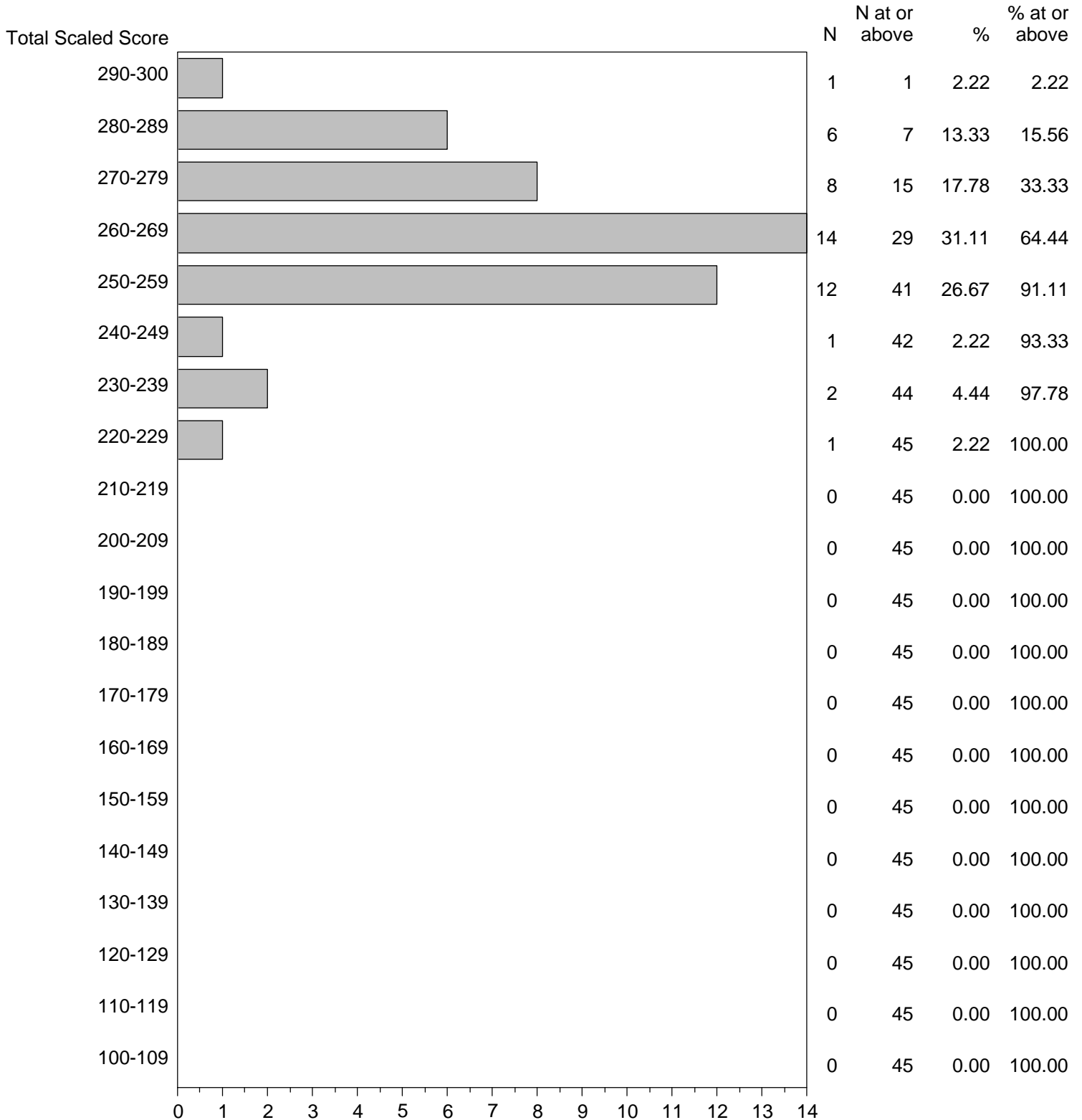


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=033 Middle Level Social Studies (Grades 5-8) Subtest 2

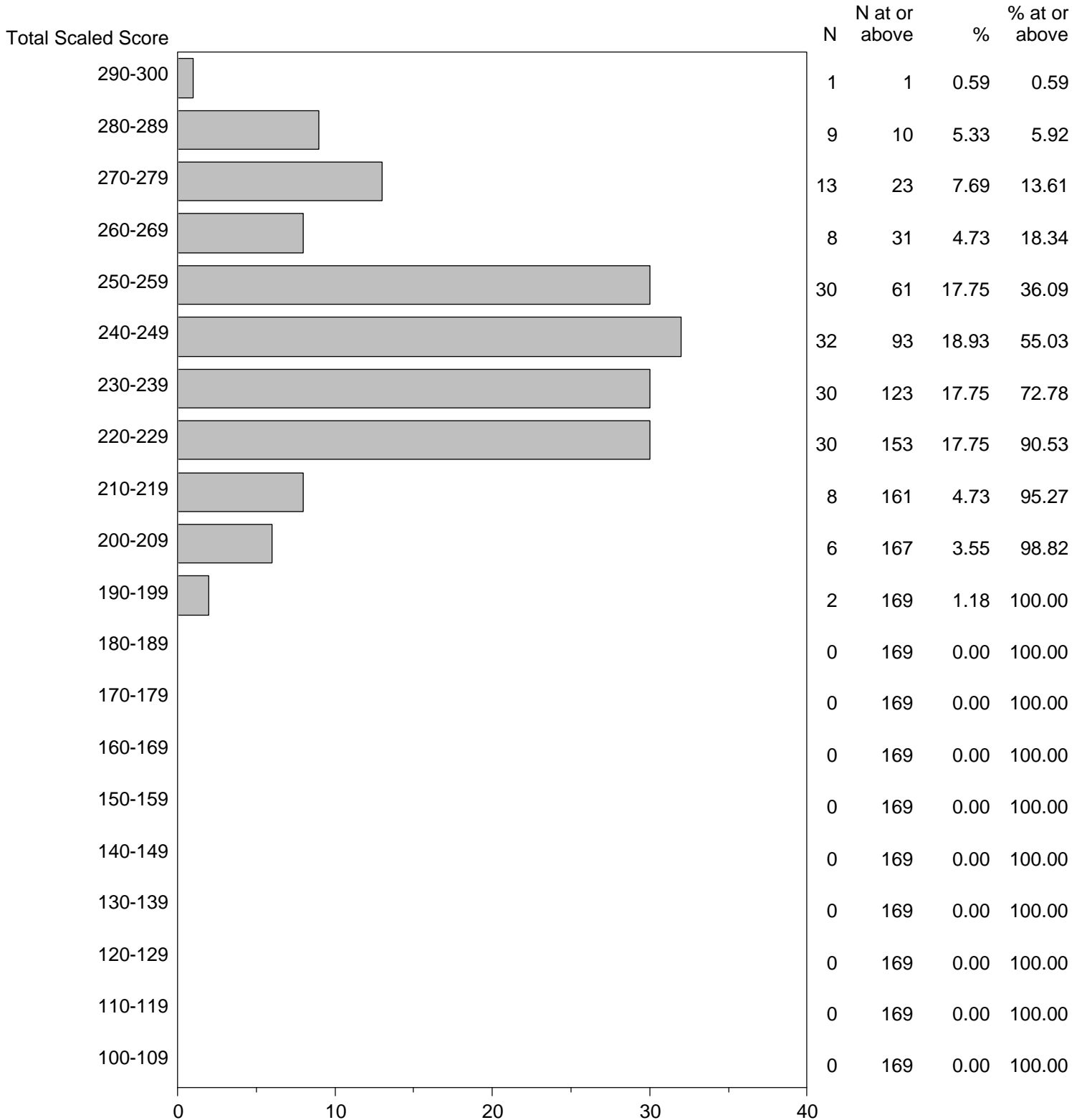


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=034 Middle Level Mathematics (Grades 5-8) Subtest 1

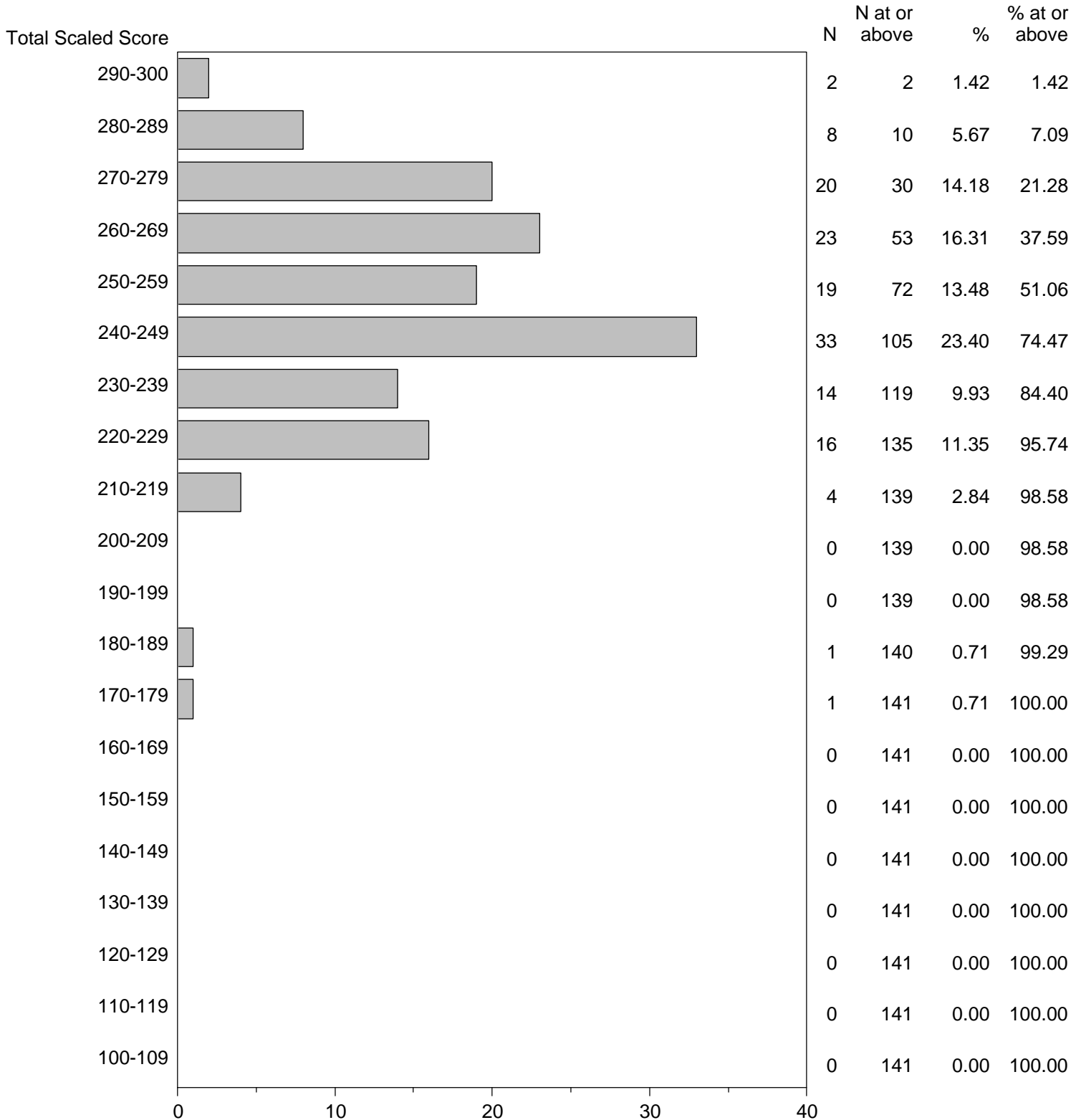


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=035 Middle Level Mathematics (Grades 5-8) Subtest 2

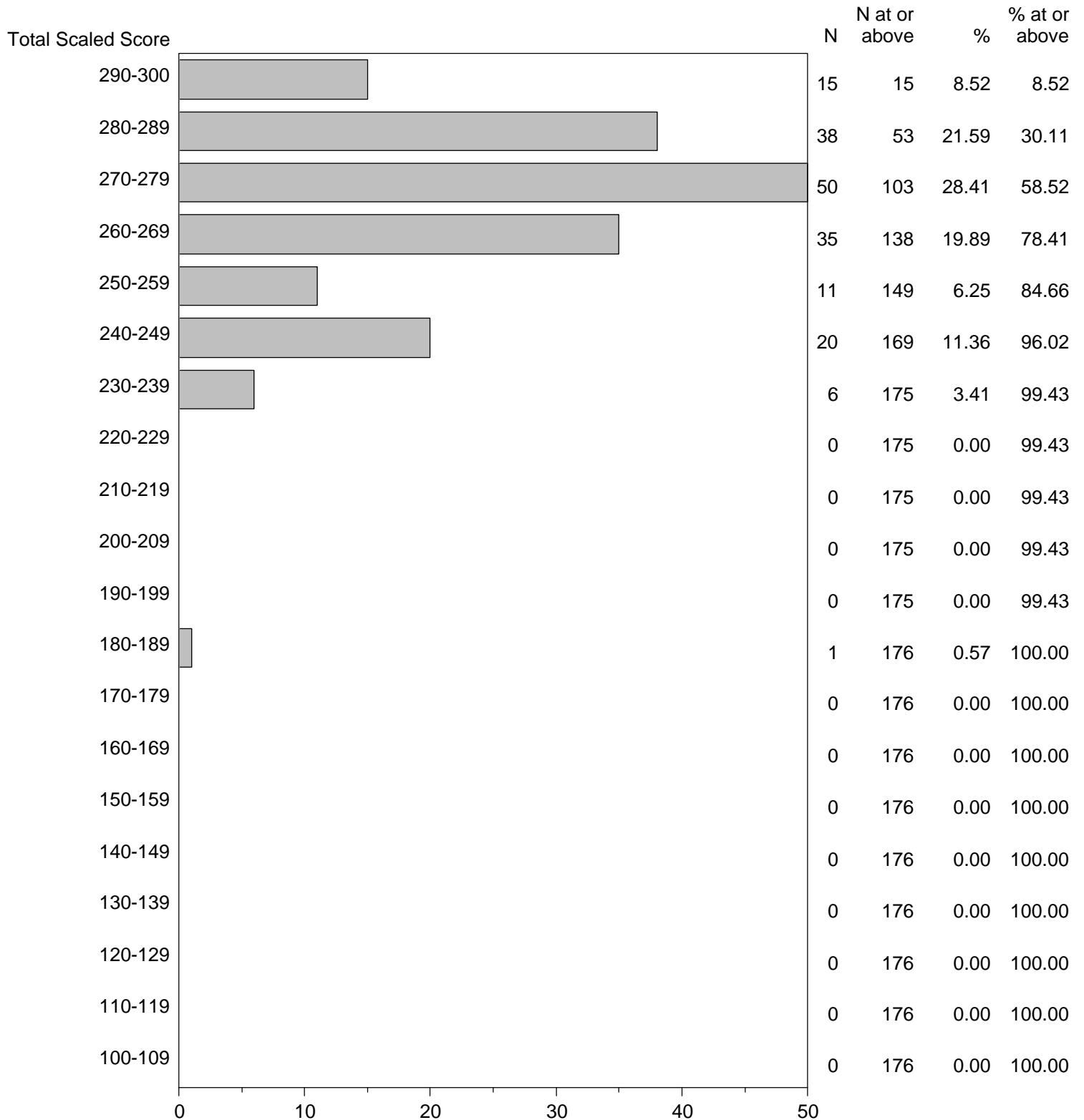


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=036 Middle Level Science (Grades 5-8) Subtest 1

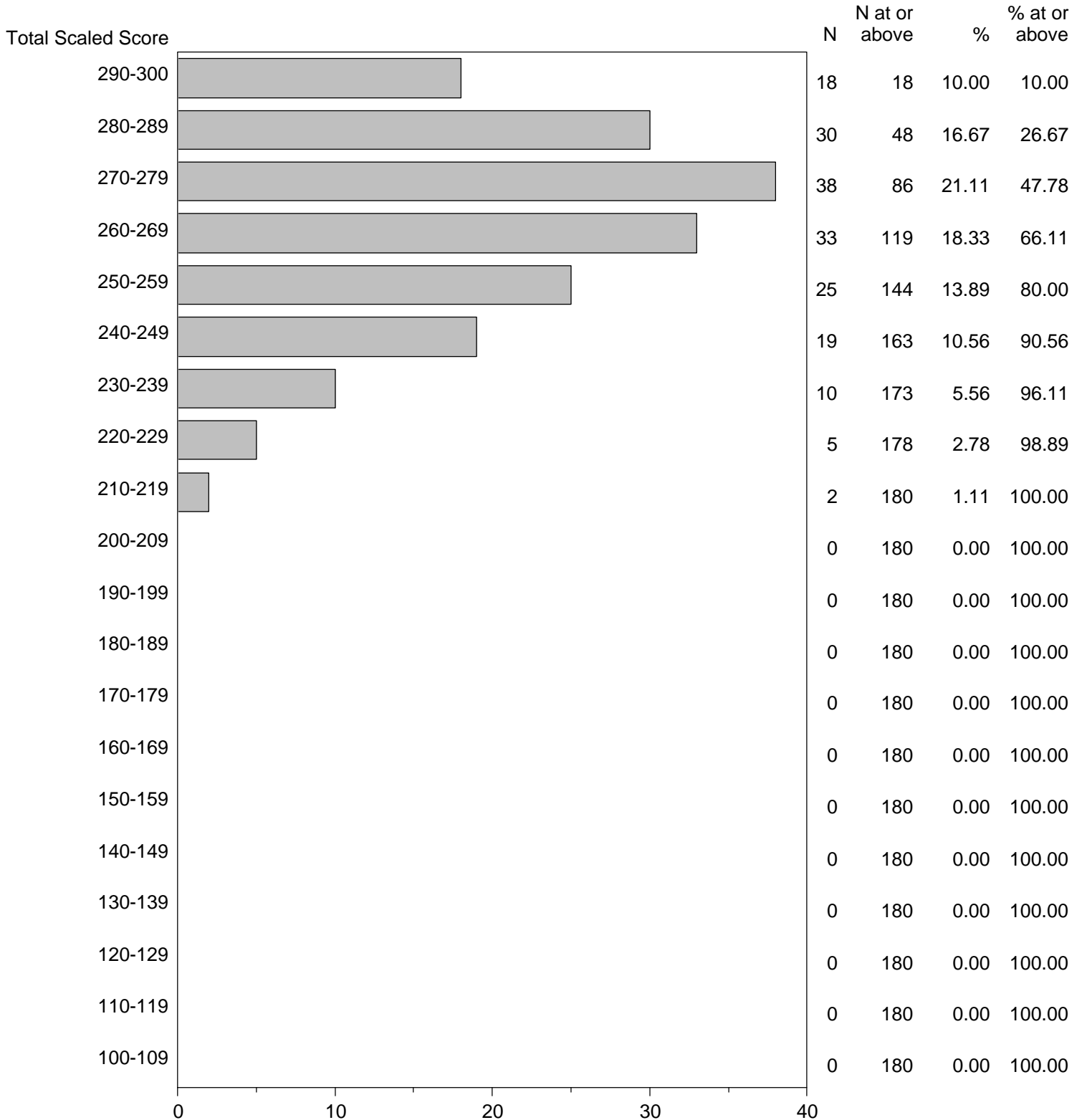


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=037 Middle Level Science (Grades 5-8) Subtest 2

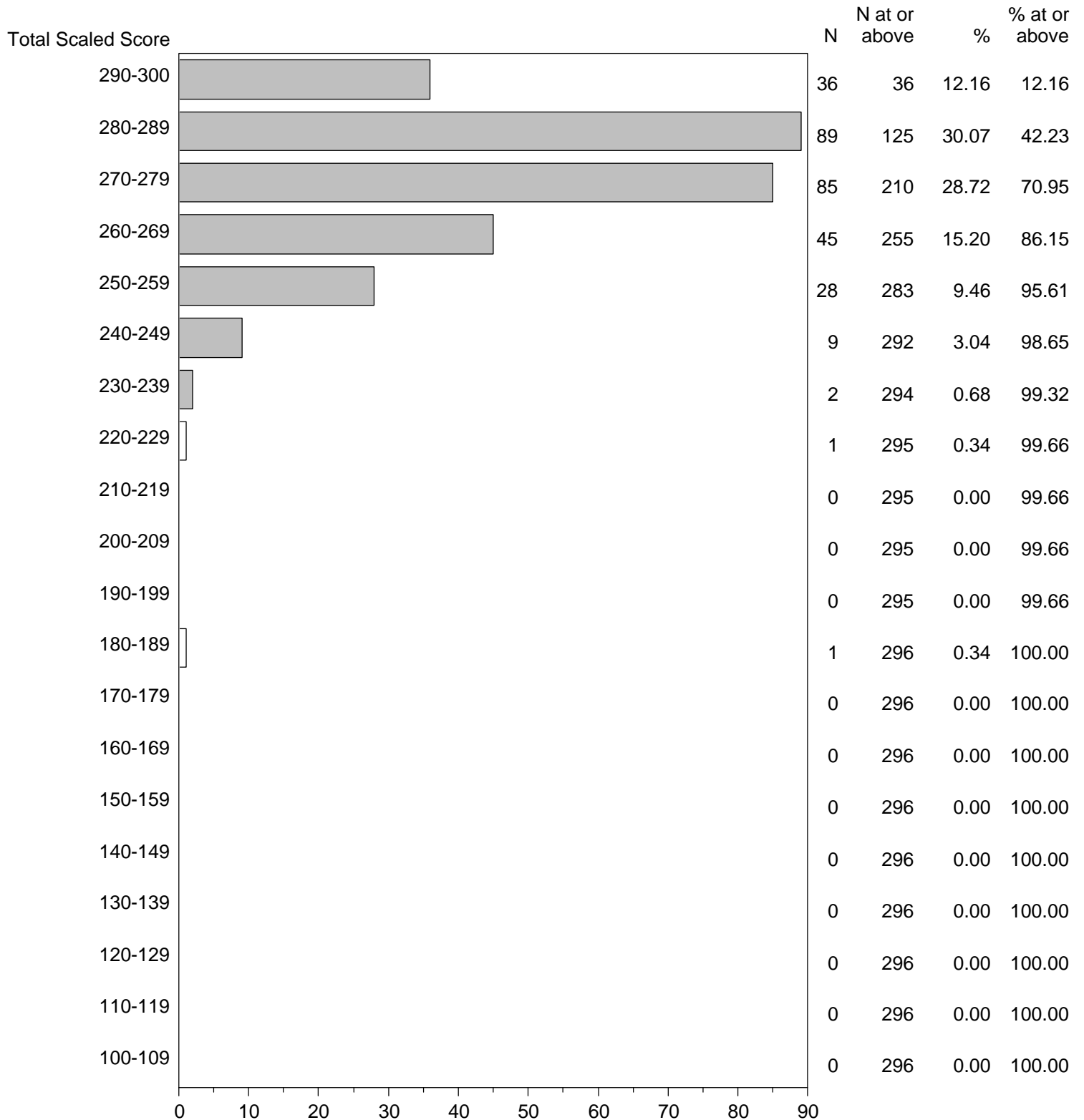


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=050 Communication Arts/Literature (Grades 5-12) Subtest 1

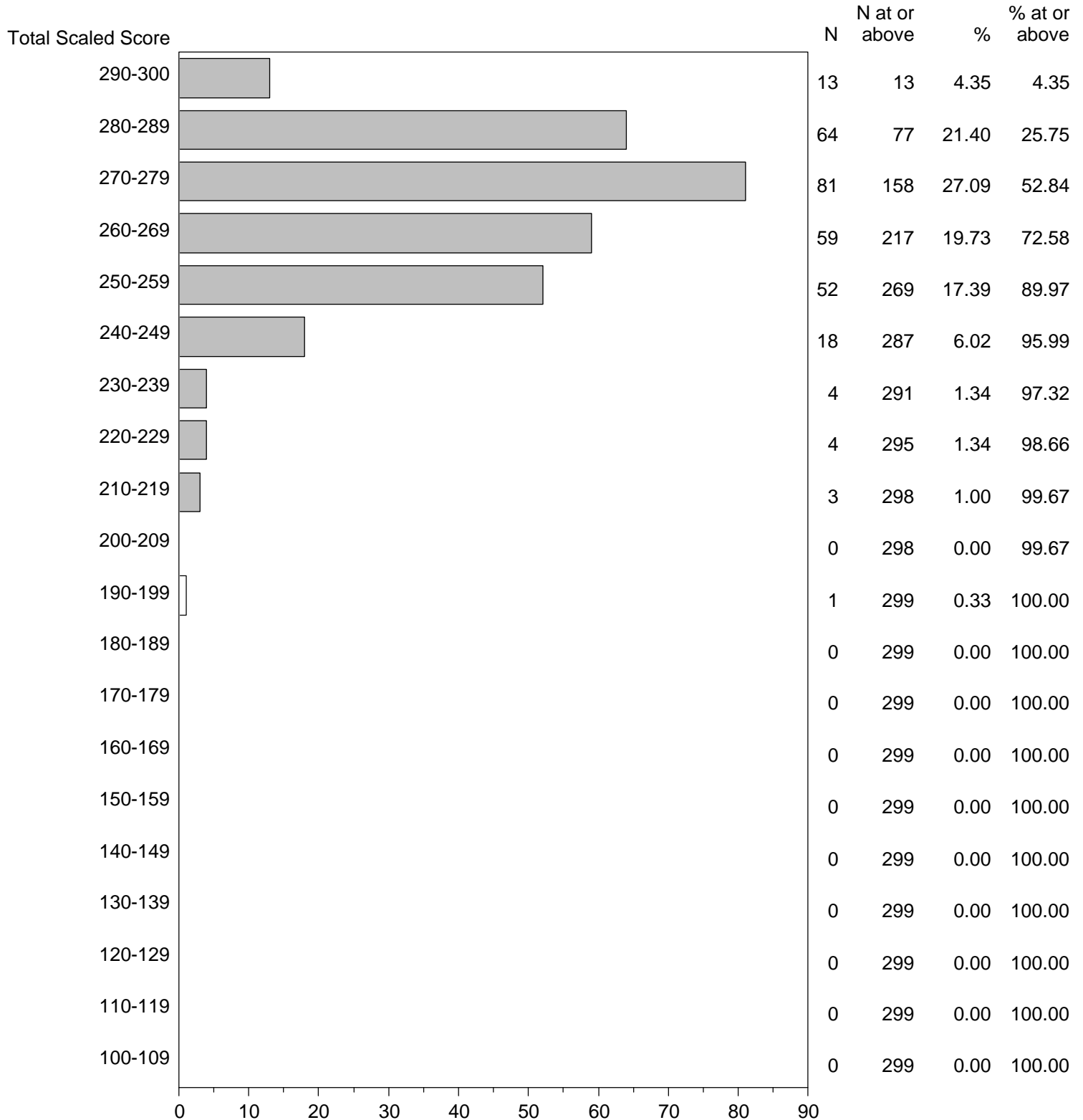


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=051 Communication Arts/Literature (Grades 5-12) Subtest 2

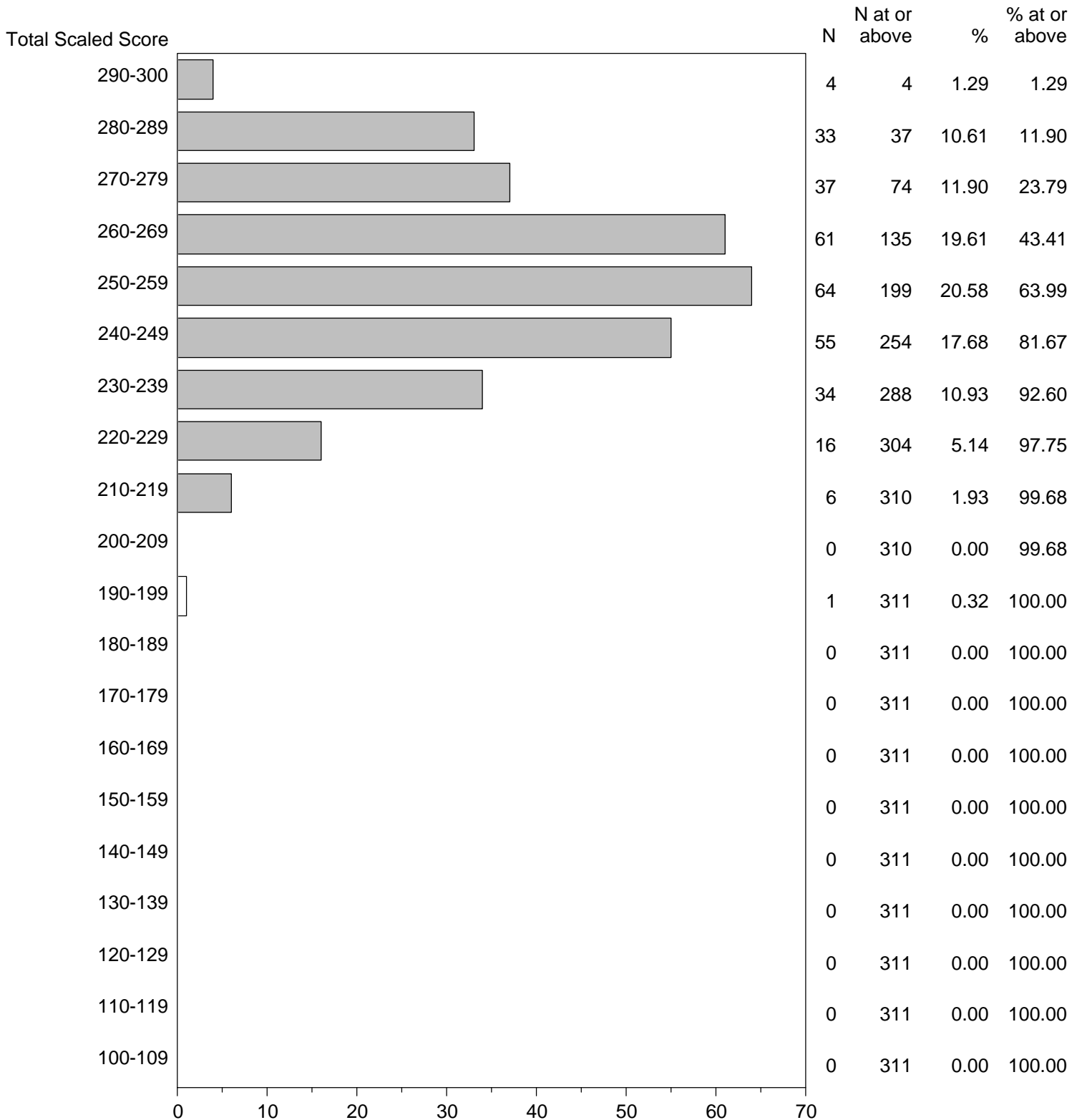


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=052 Social Studies (Grades 5-12) Subtest 1

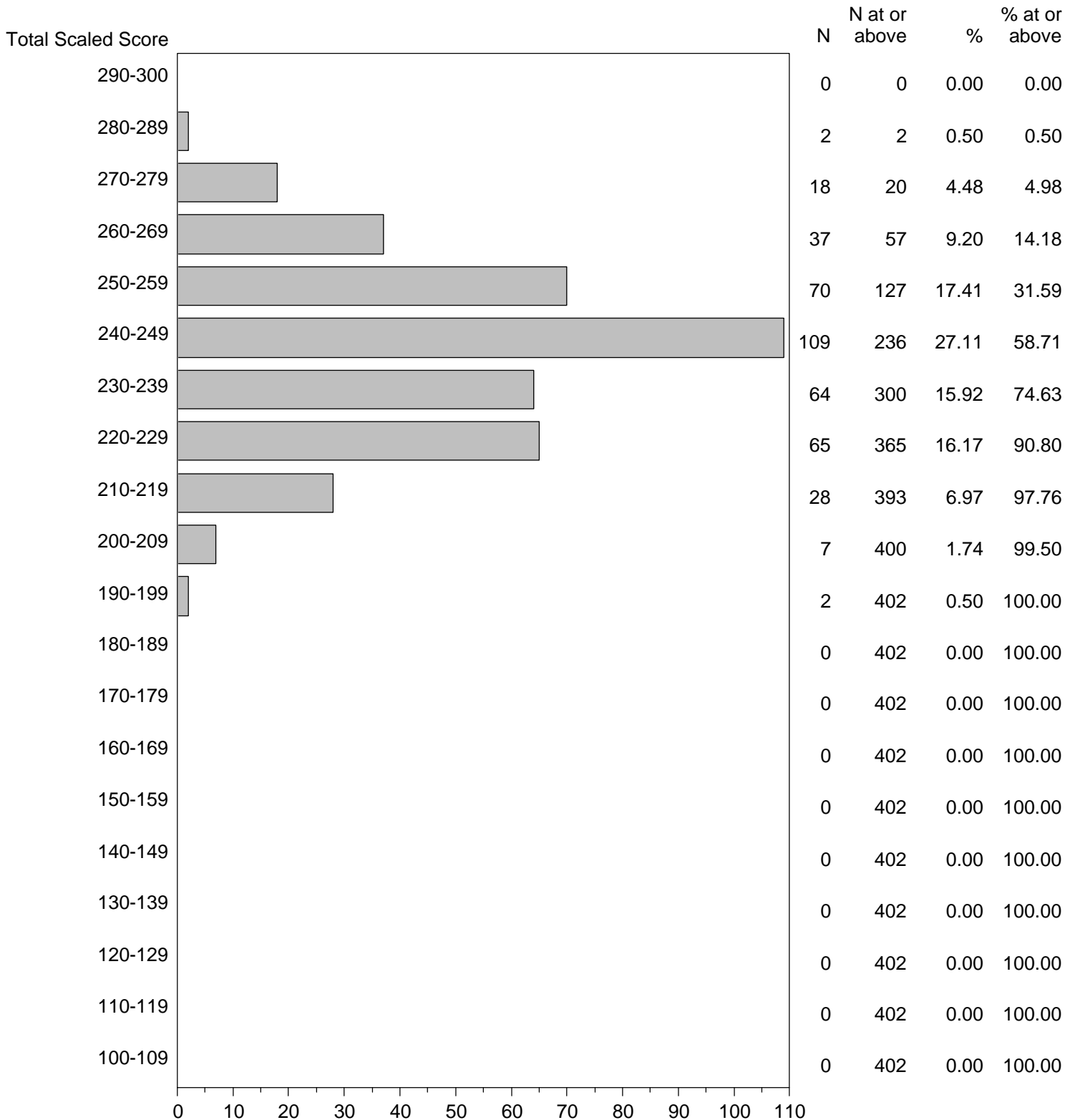


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=053 Social Studies (Grades 5-12) Subtest 2

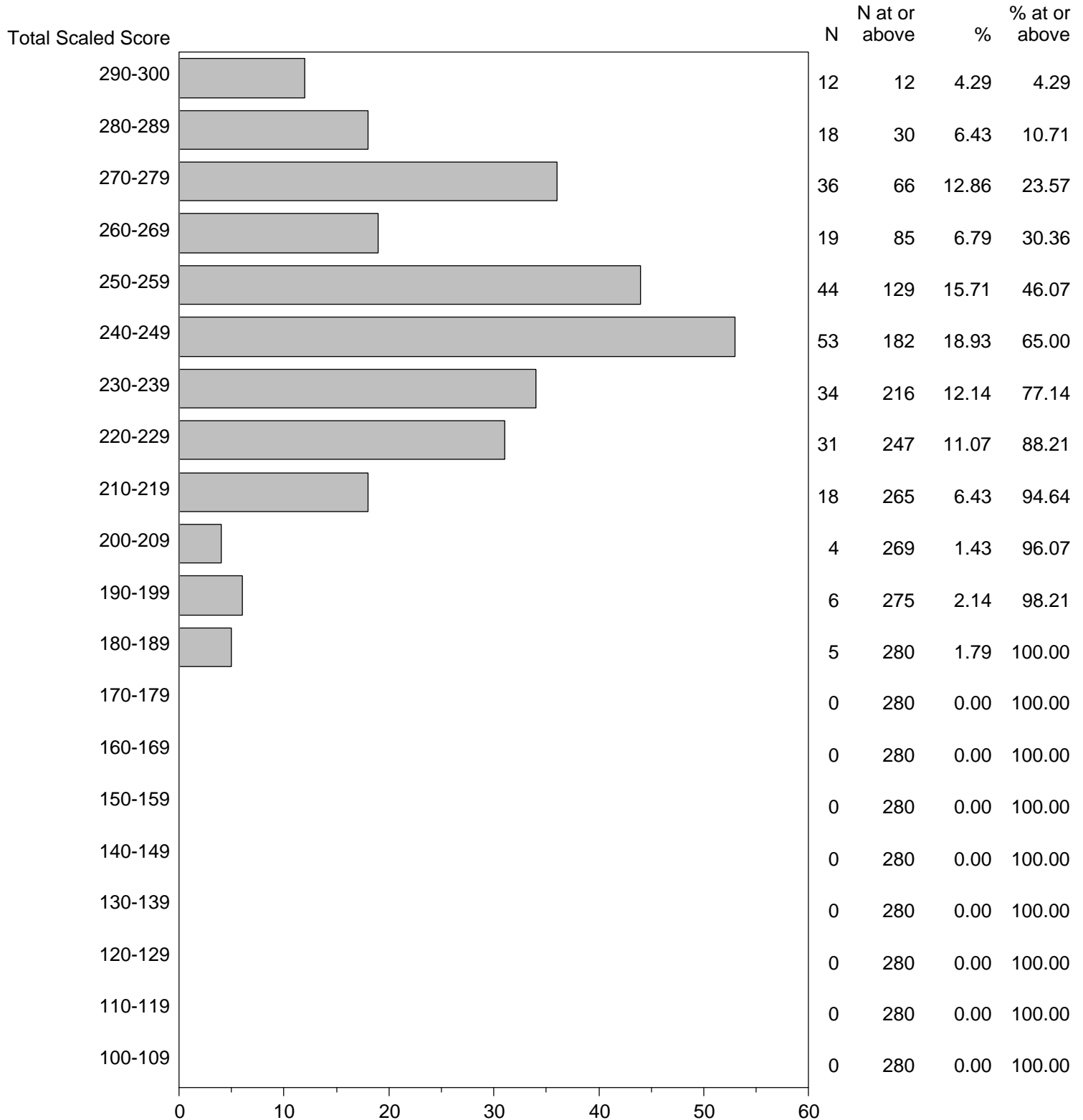


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=054 Mathematics (Grades 5-12) Subtest 1

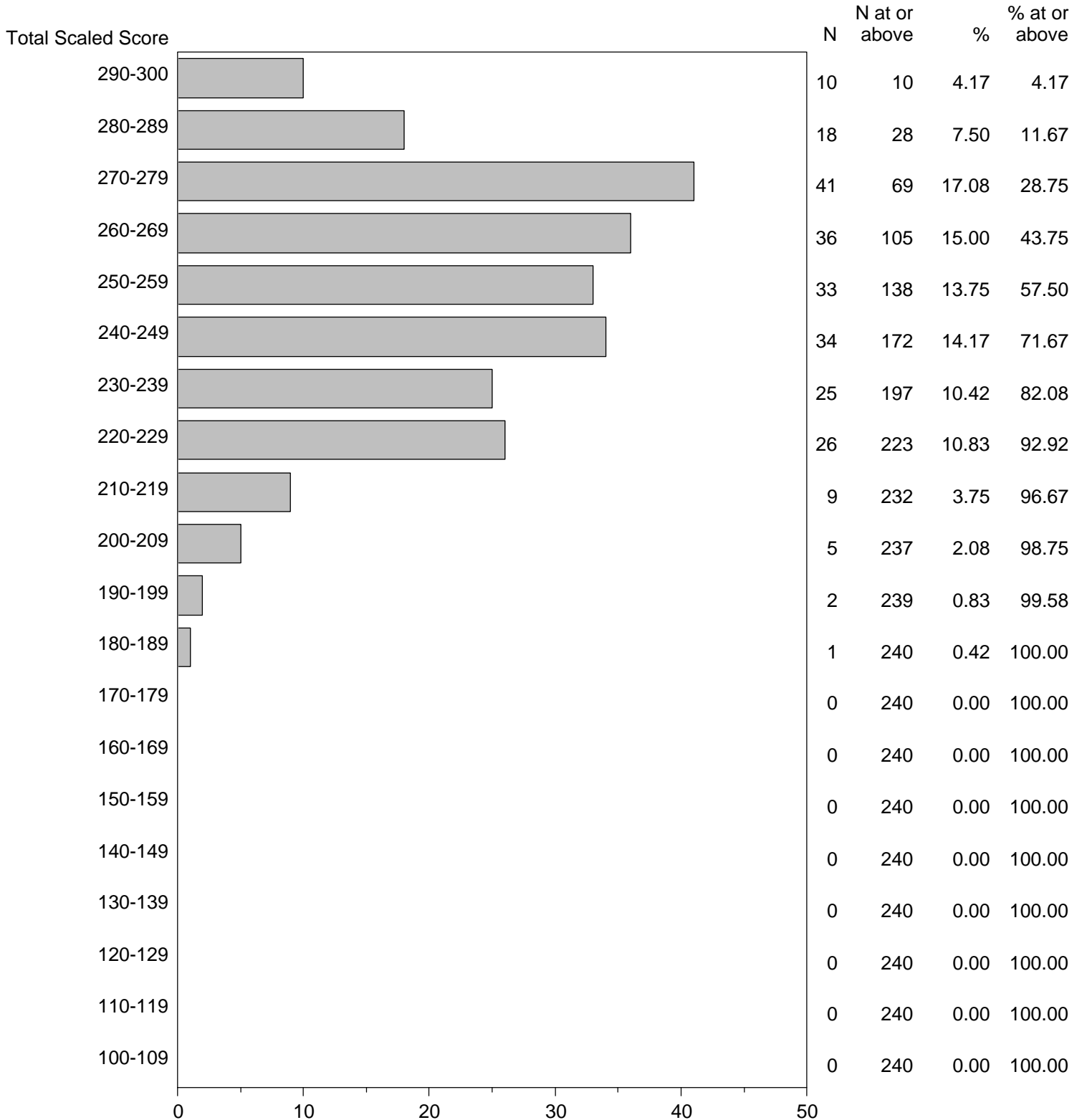


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=055 Mathematics (Grades 5-12) Subtest 2

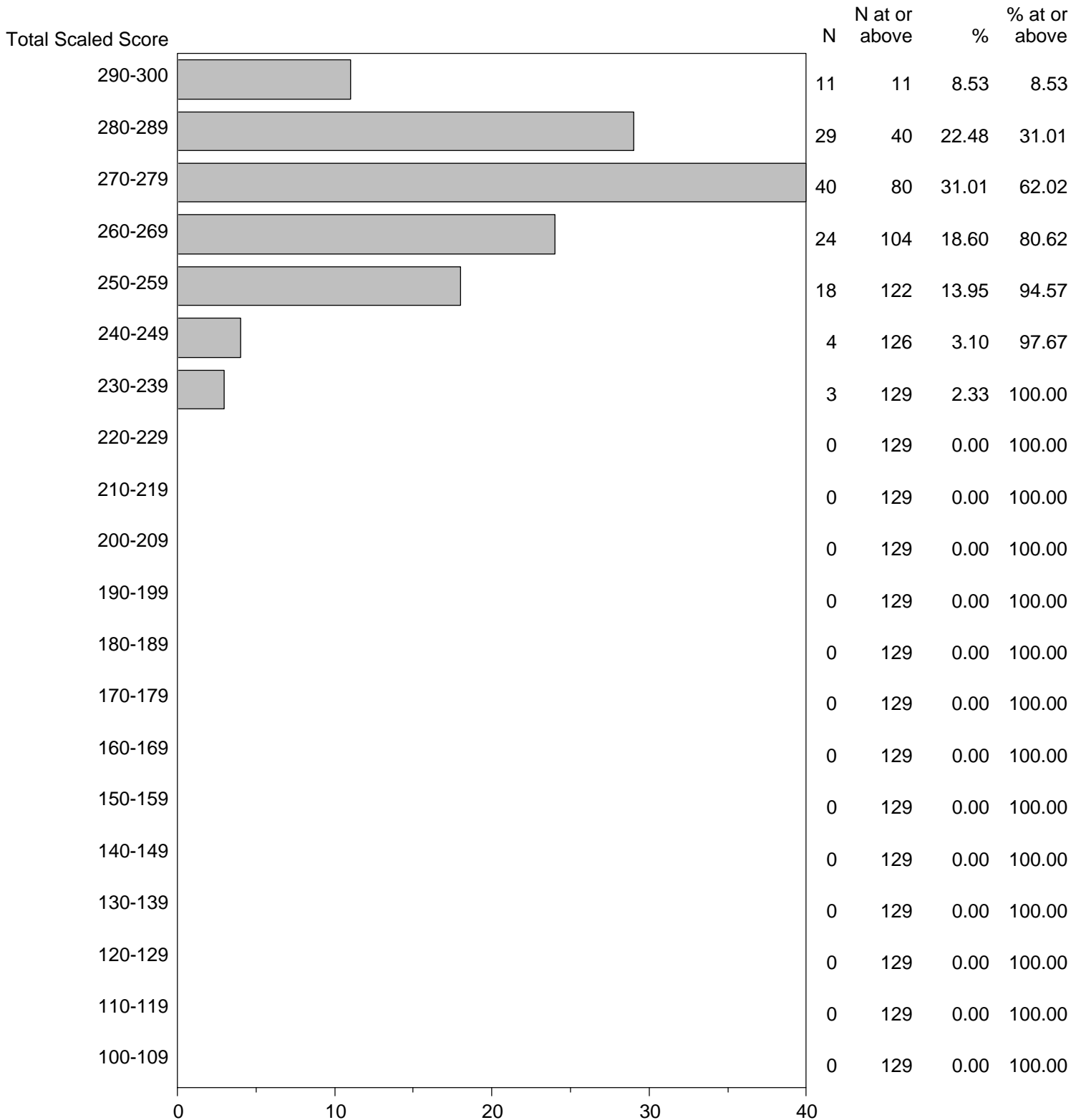


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=056 Health (Grades 5-12) Subtest 1

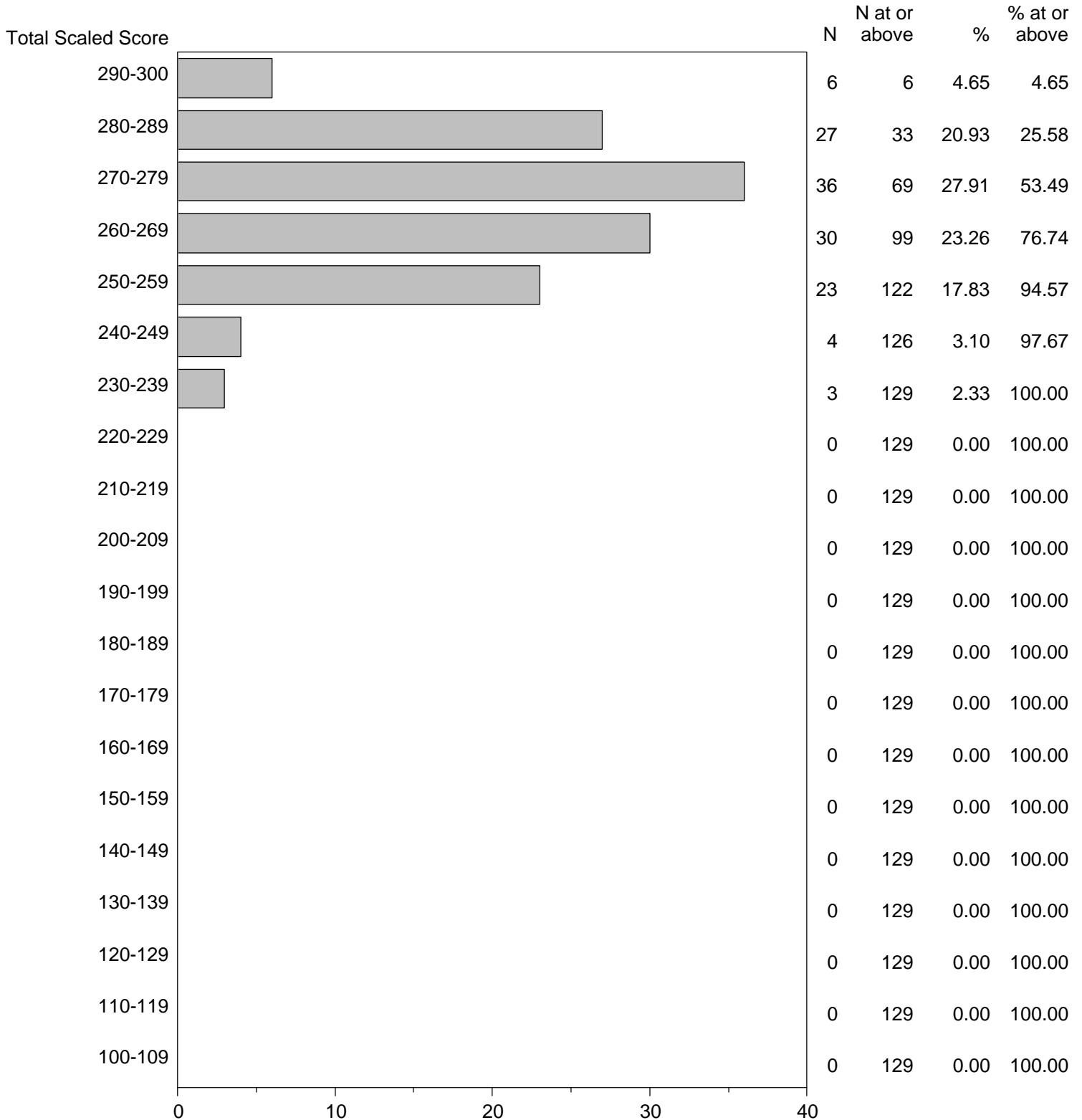


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=057 Health (Grades 5-12) Subtest 2

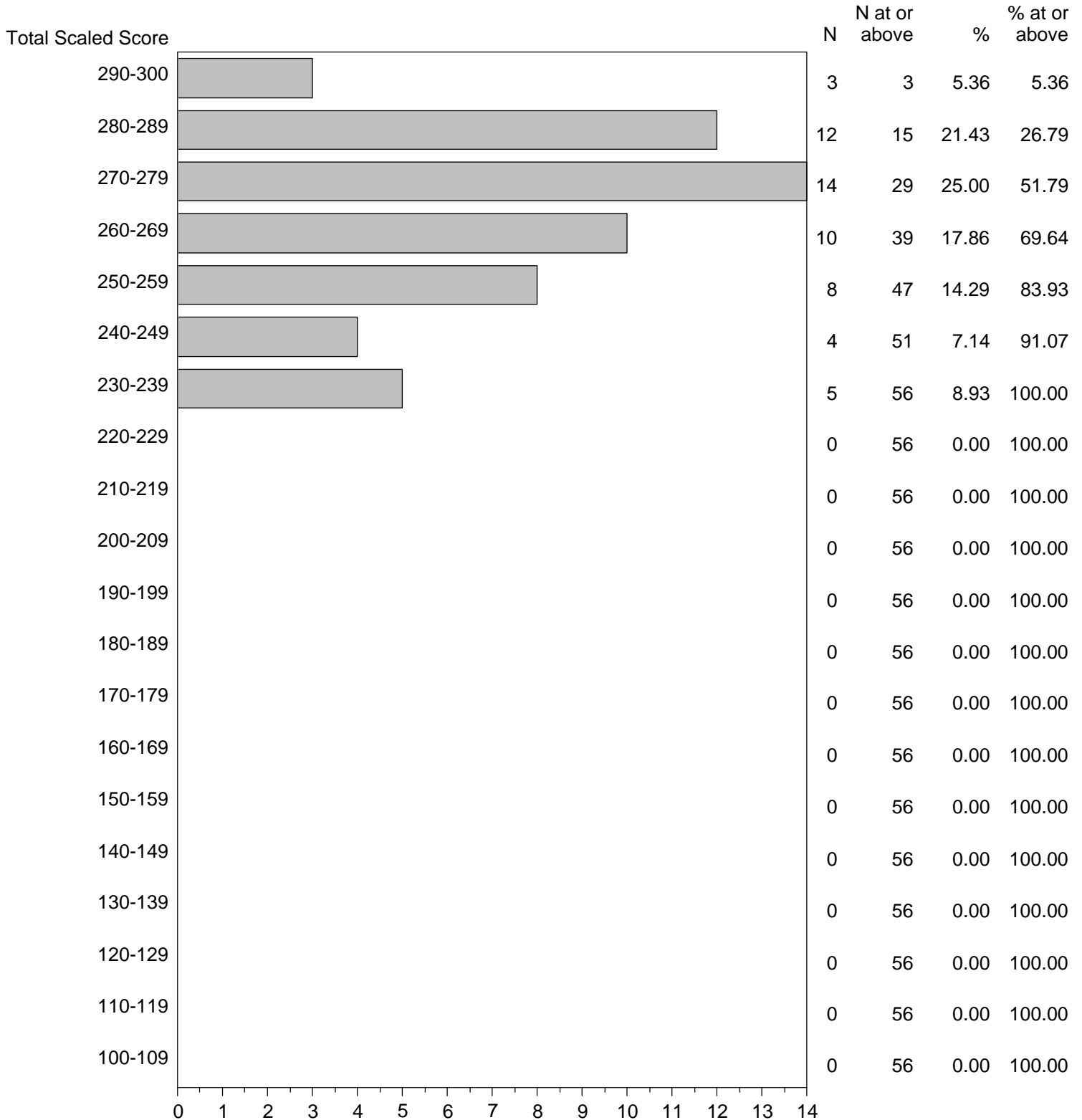


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=058 Chemistry (Grades 9-12) Subtest 1

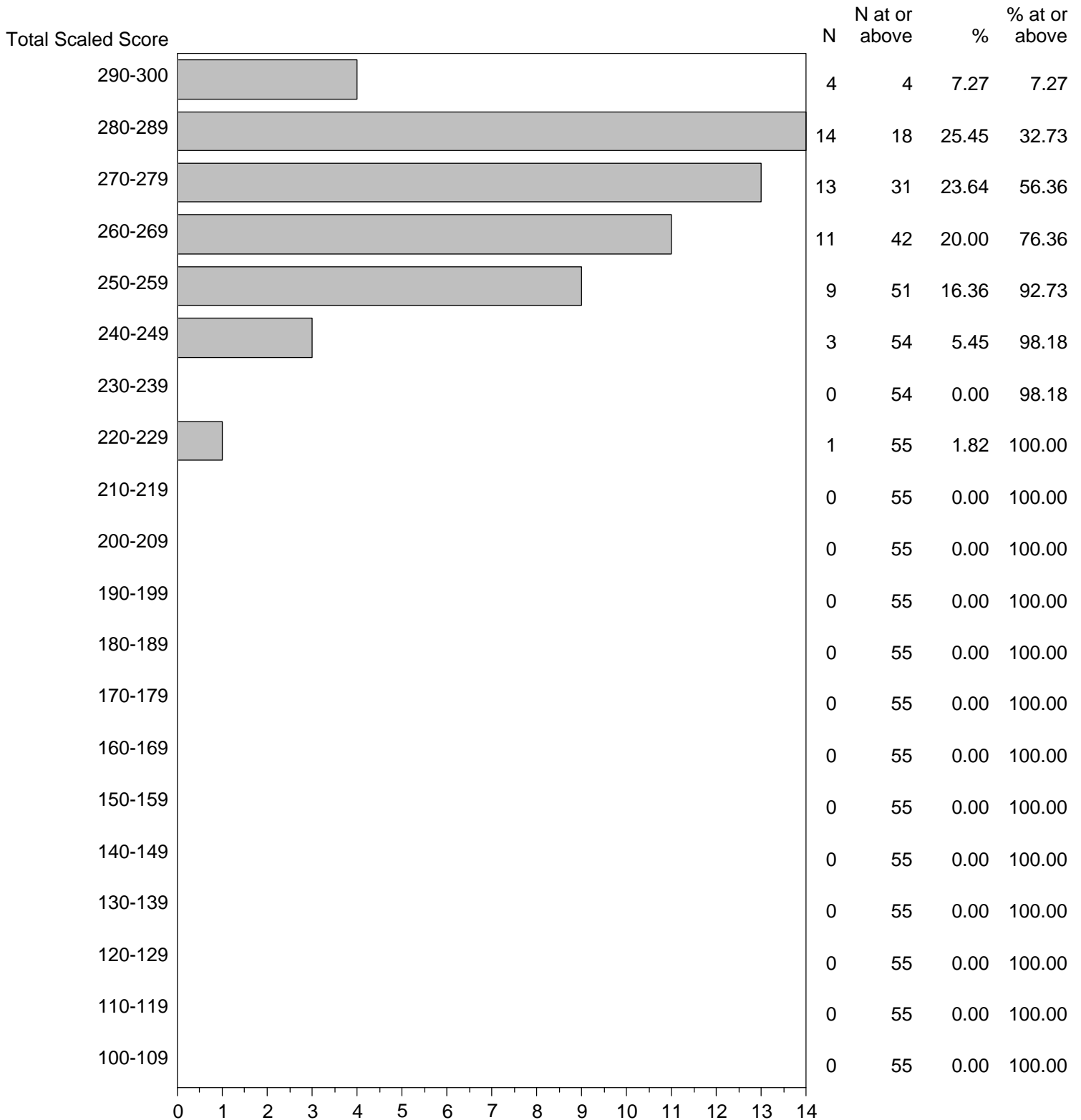


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=059 Chemistry (Grades 9-12) Subtest 2

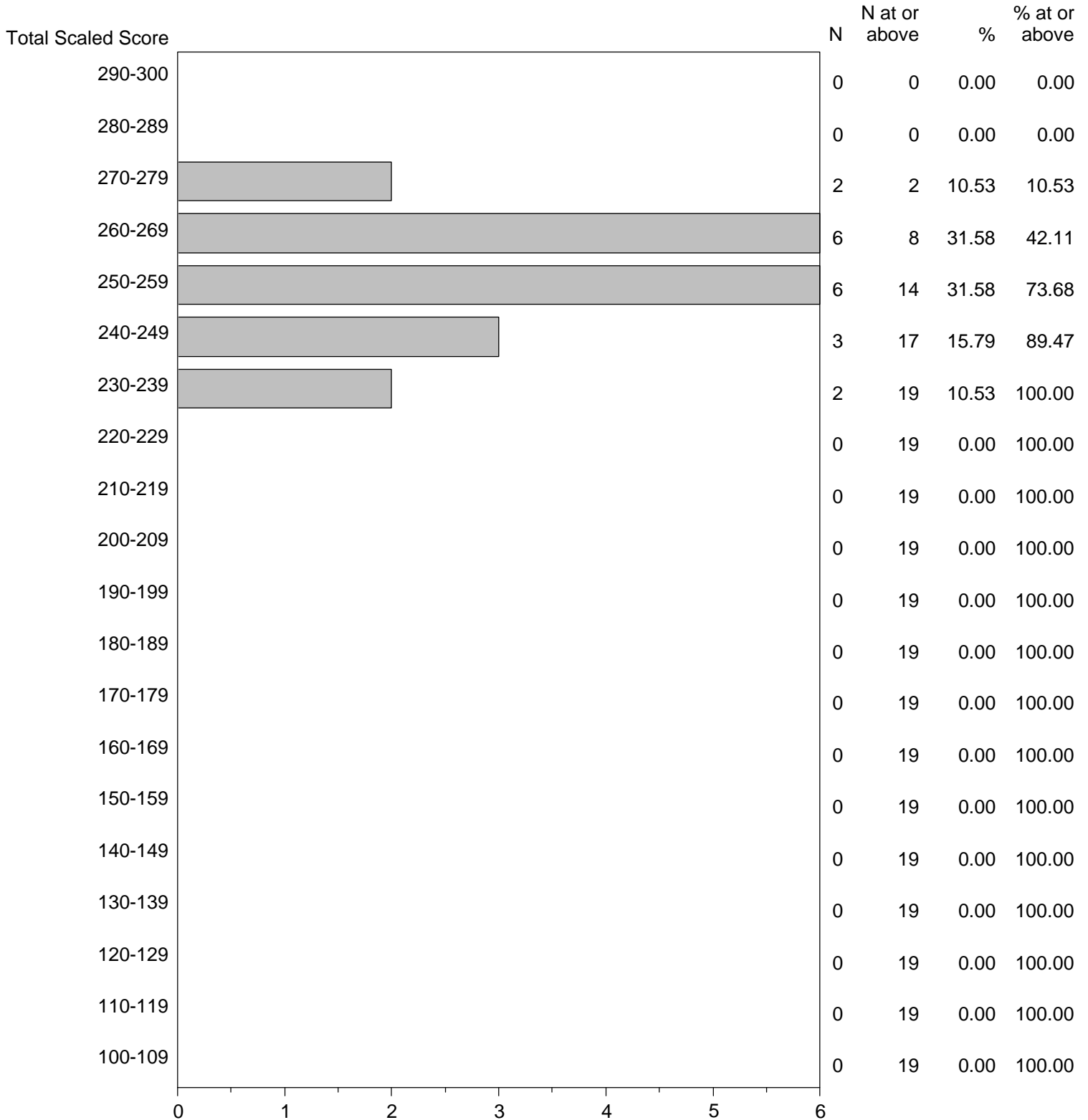


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=060 Earth and Space Science (Grades 9-12) Subtest 1

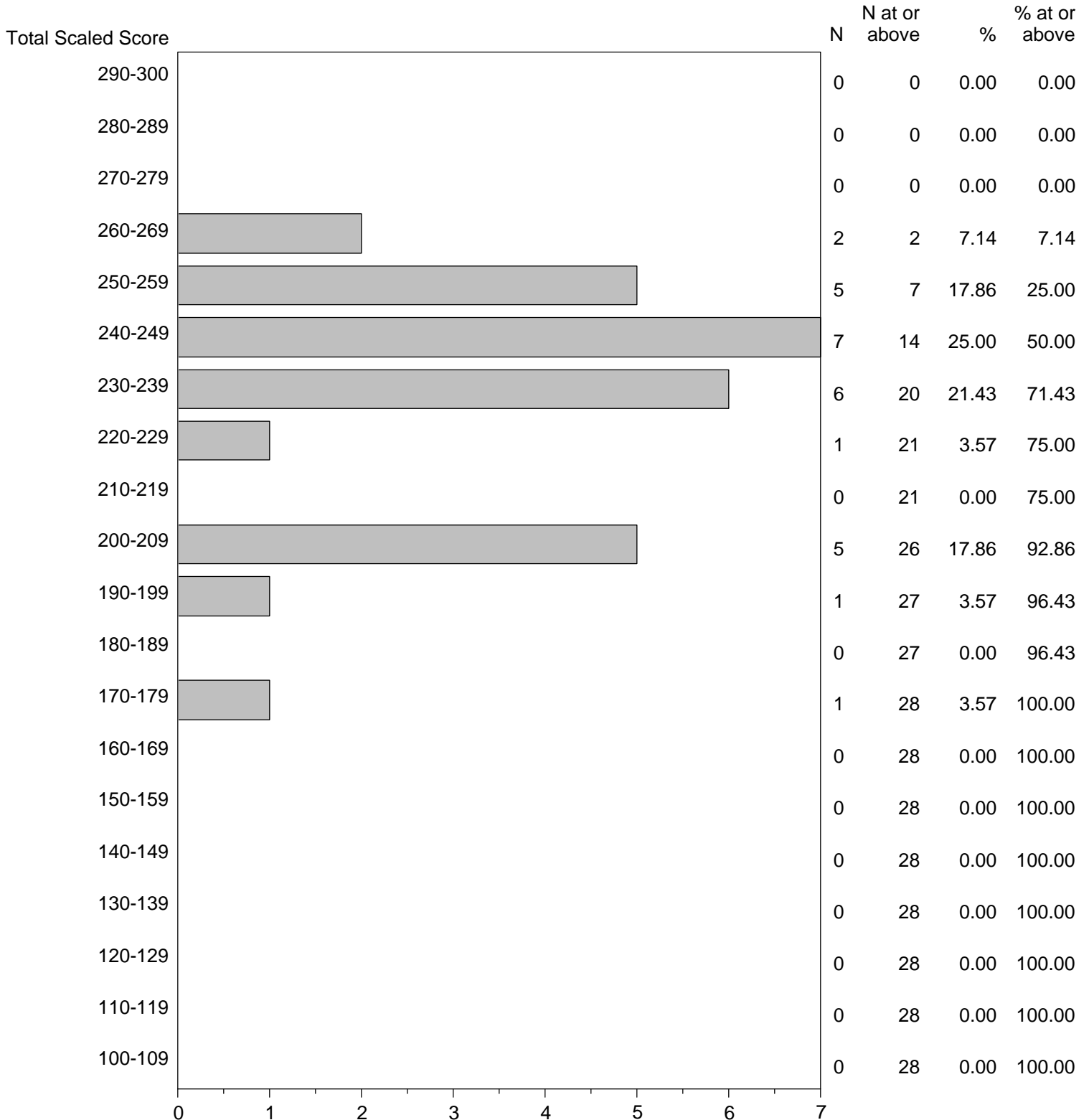


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=061 Earth and Space Science (Grades 9-12) Subtest 2

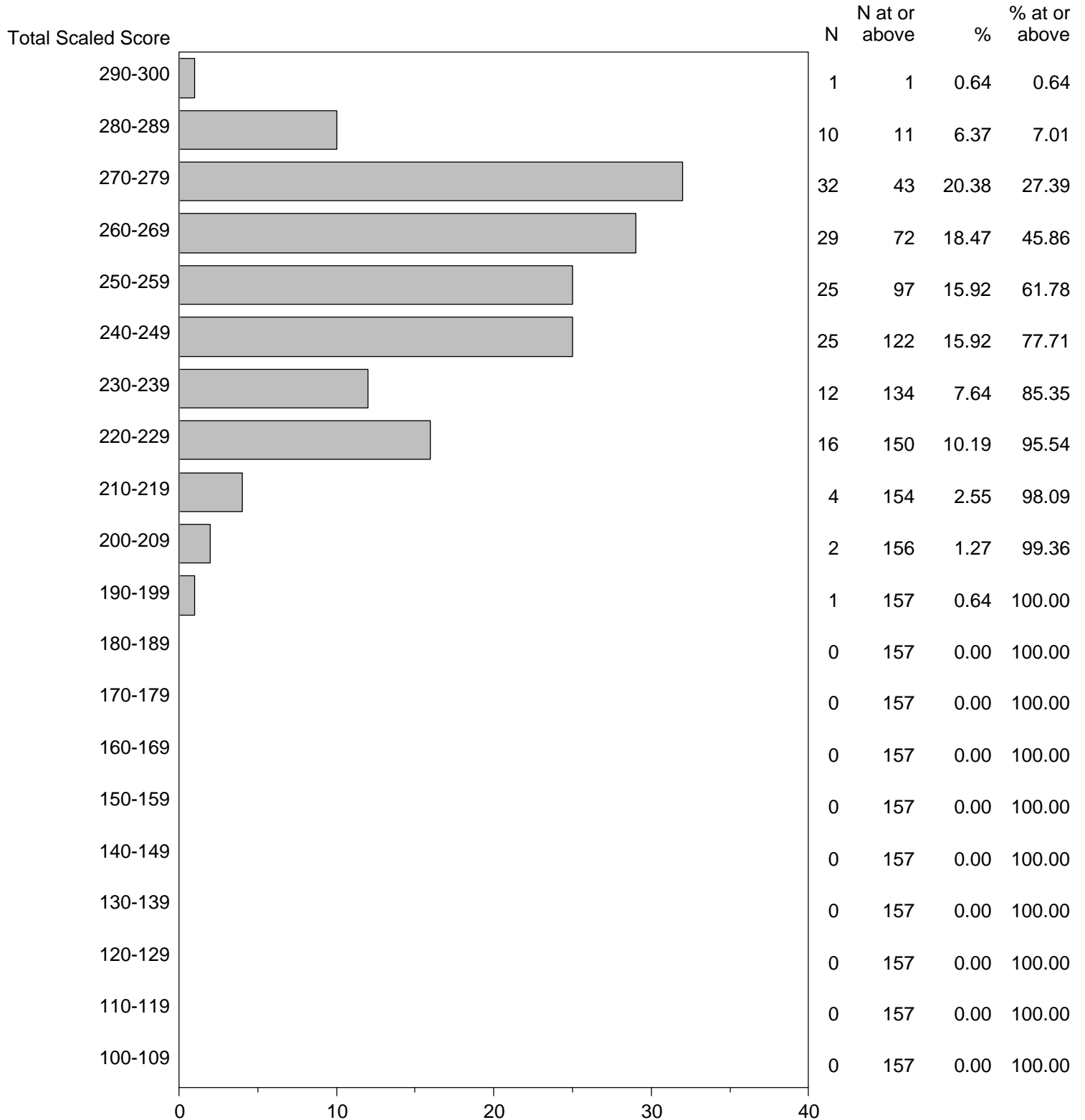


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=062 Life Science (Grades 9-12) Subtest 1

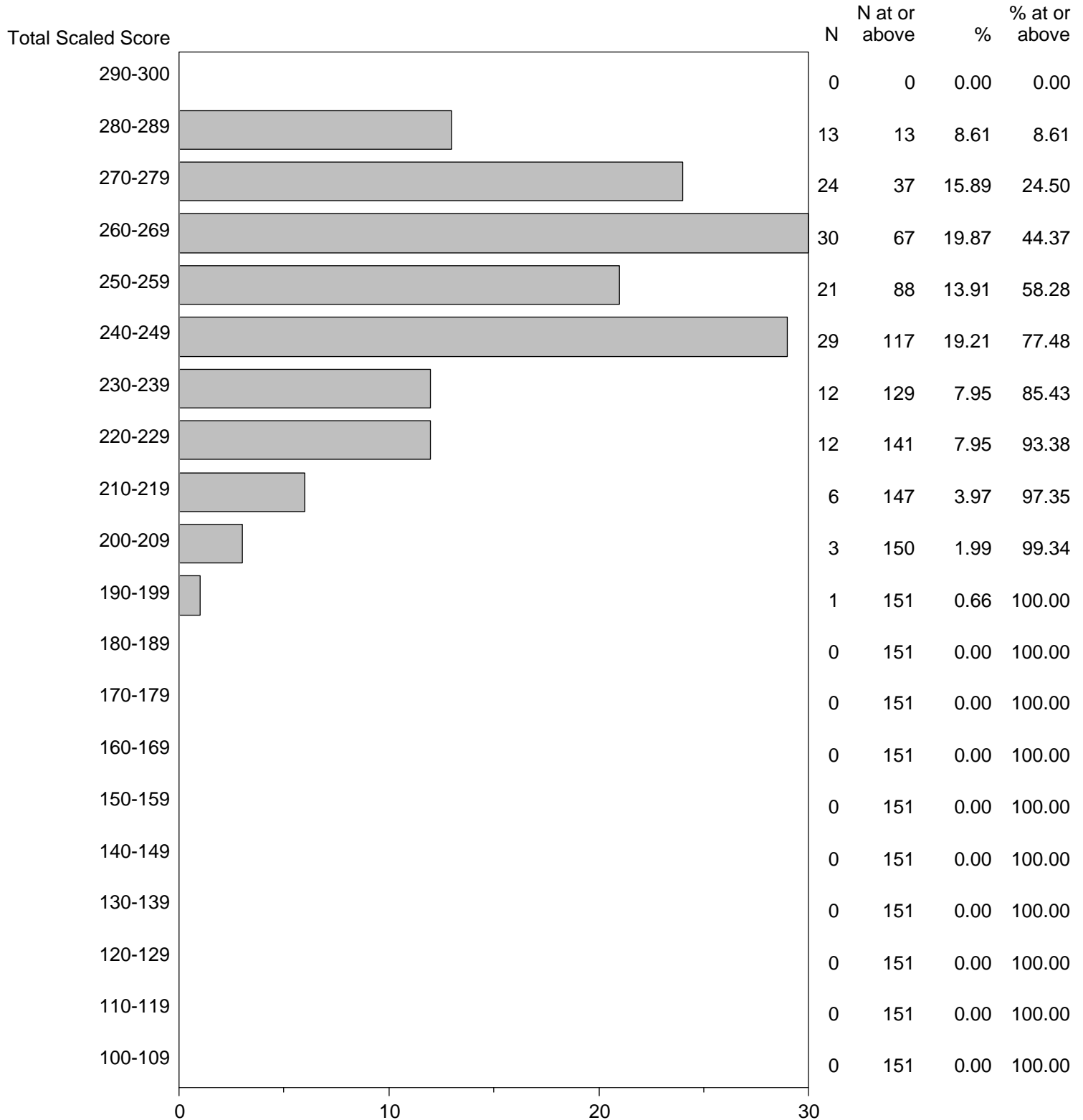


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=063 Life Science (Grades 9-12) Subtest 2

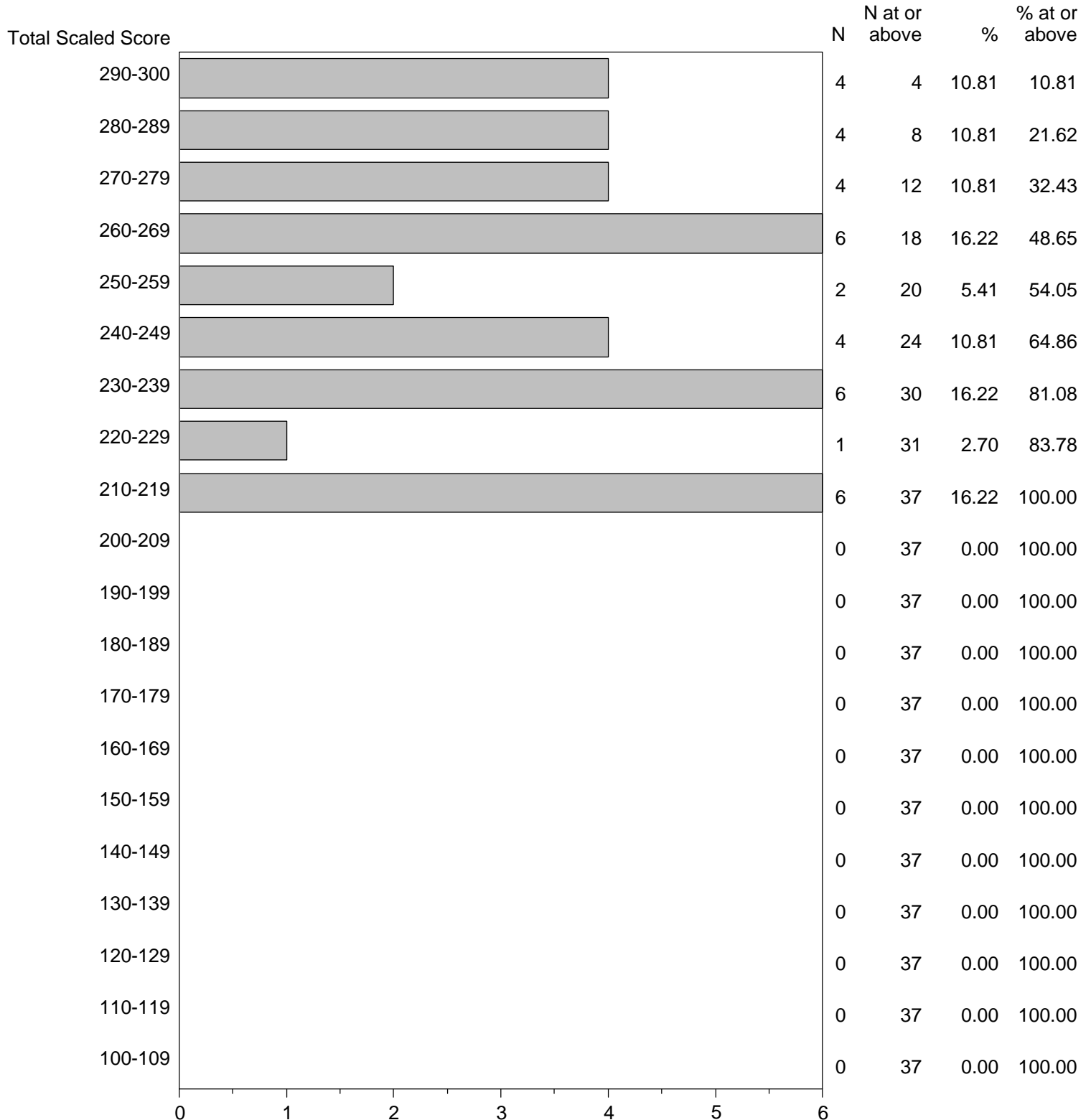


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=064 Physics (Grades 9-12) Subtest 1

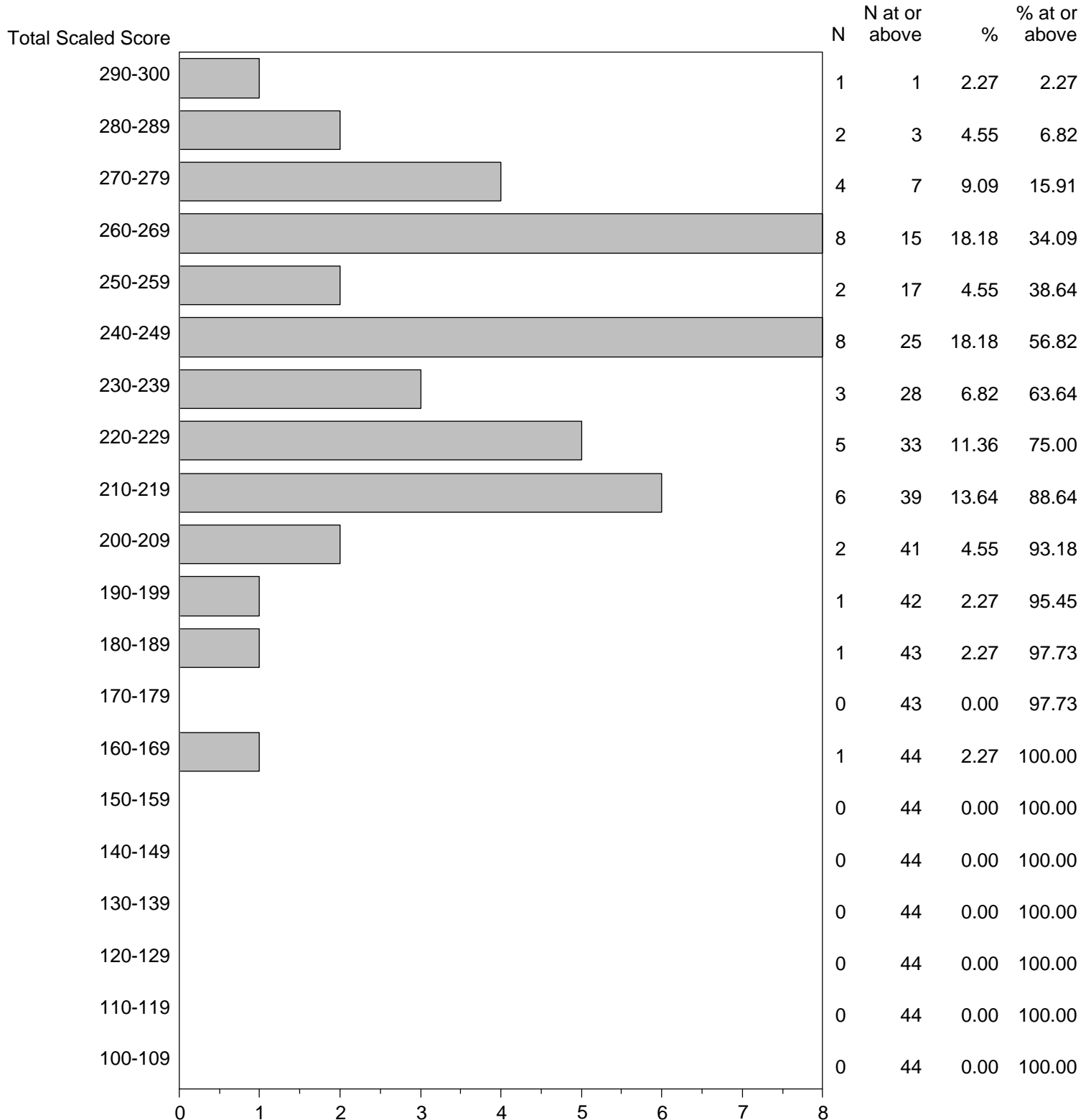


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=065 Physics (Grades 9-12) Subtest 2

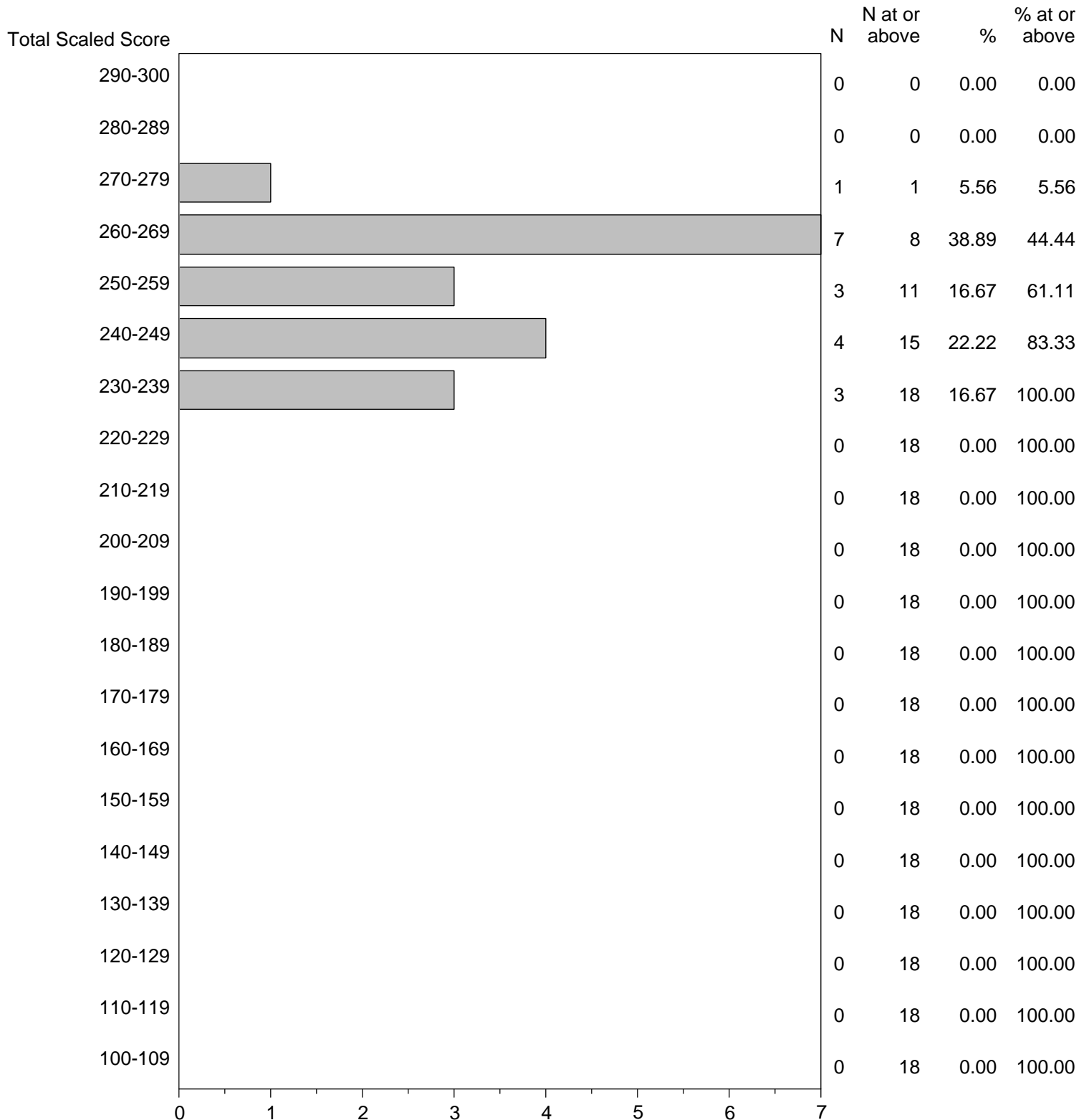


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=082 Business (Grades 5-12) Subtest 1

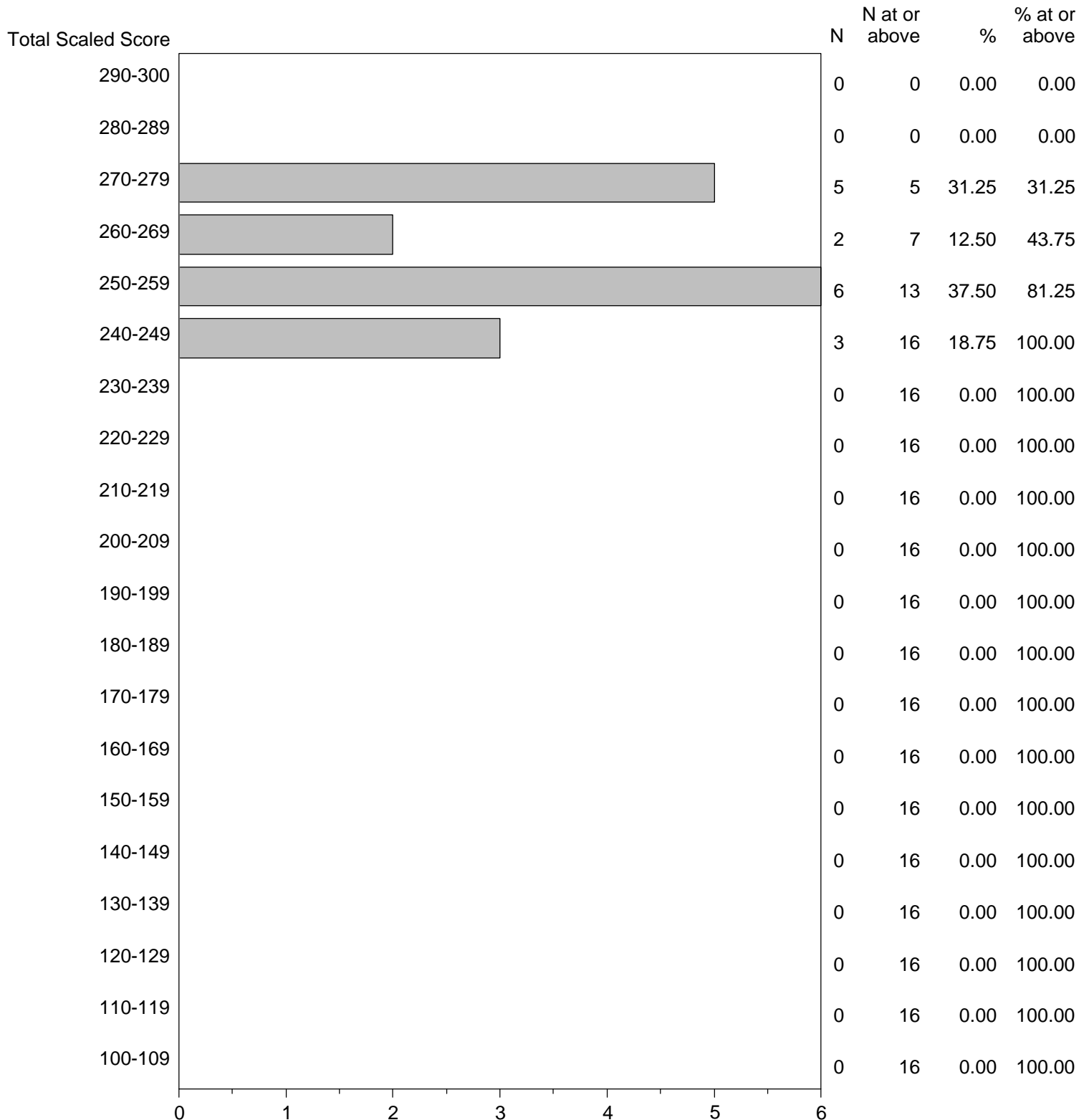


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=083 Business (Grades 5-12) Subtest 2

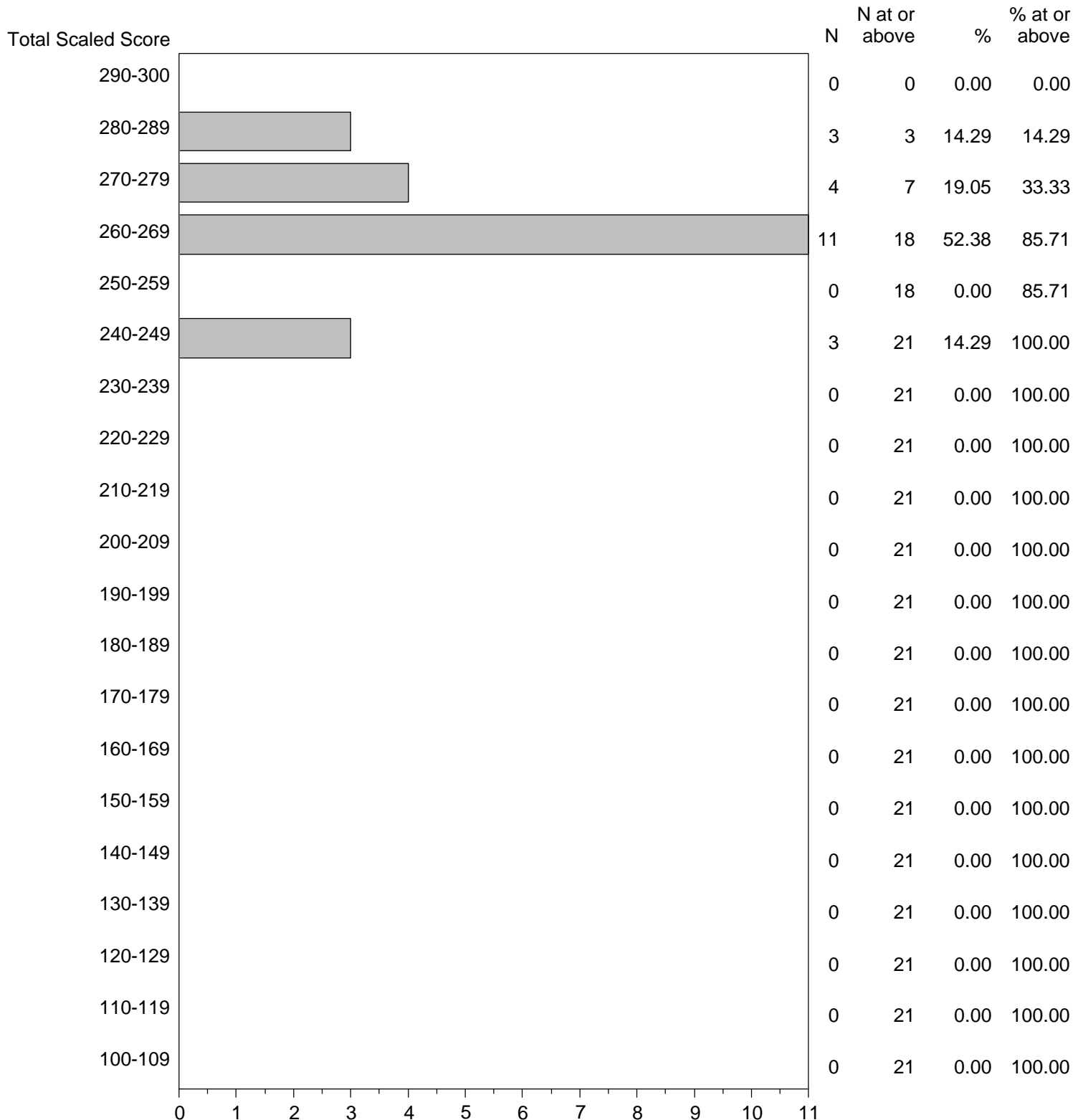


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=084 Family and Consumer Sciences (Grades 5-12) Subtest 1

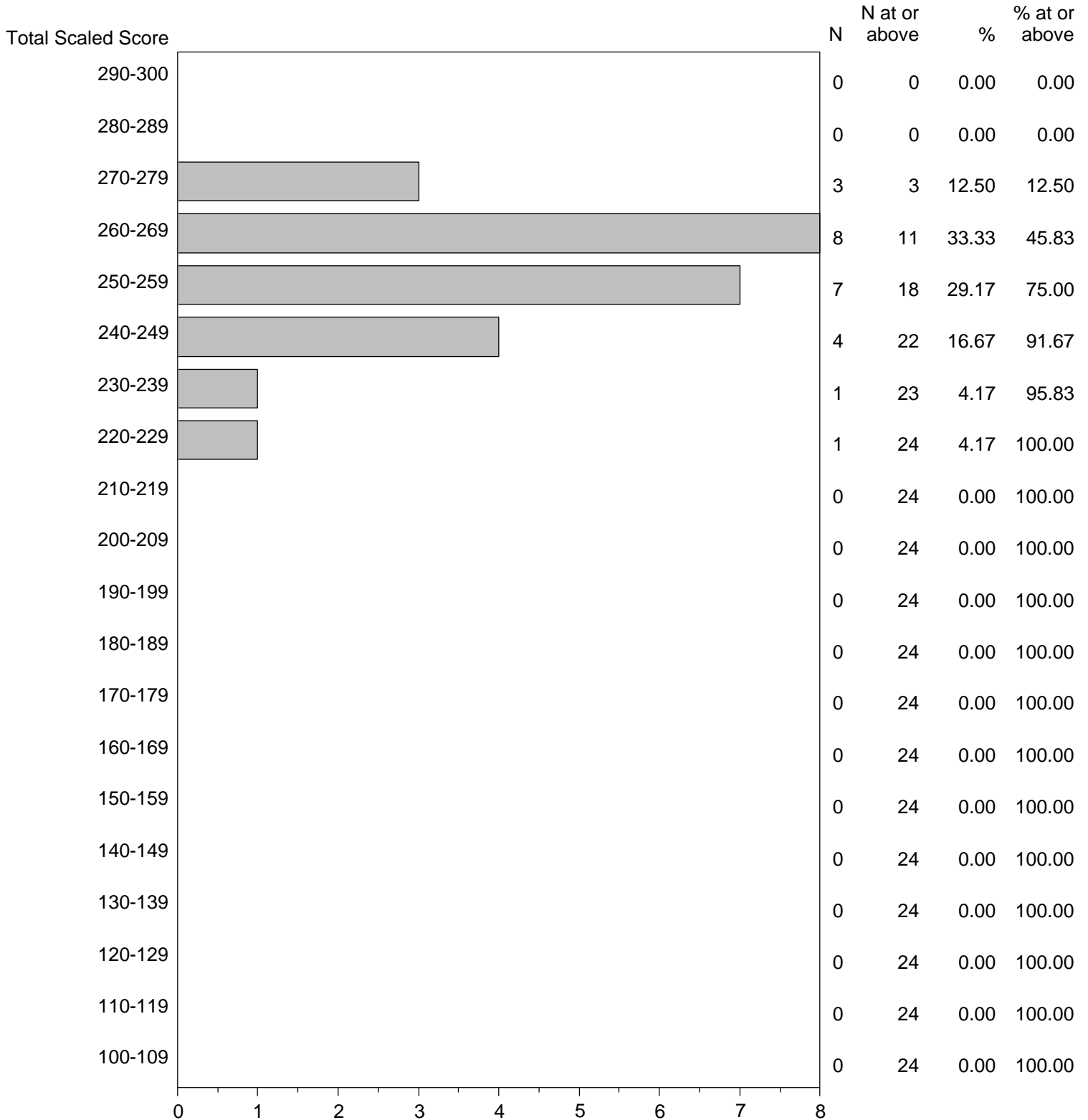


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=085 Family and Consumer Sciences (Grades 5-12) Subtest 2

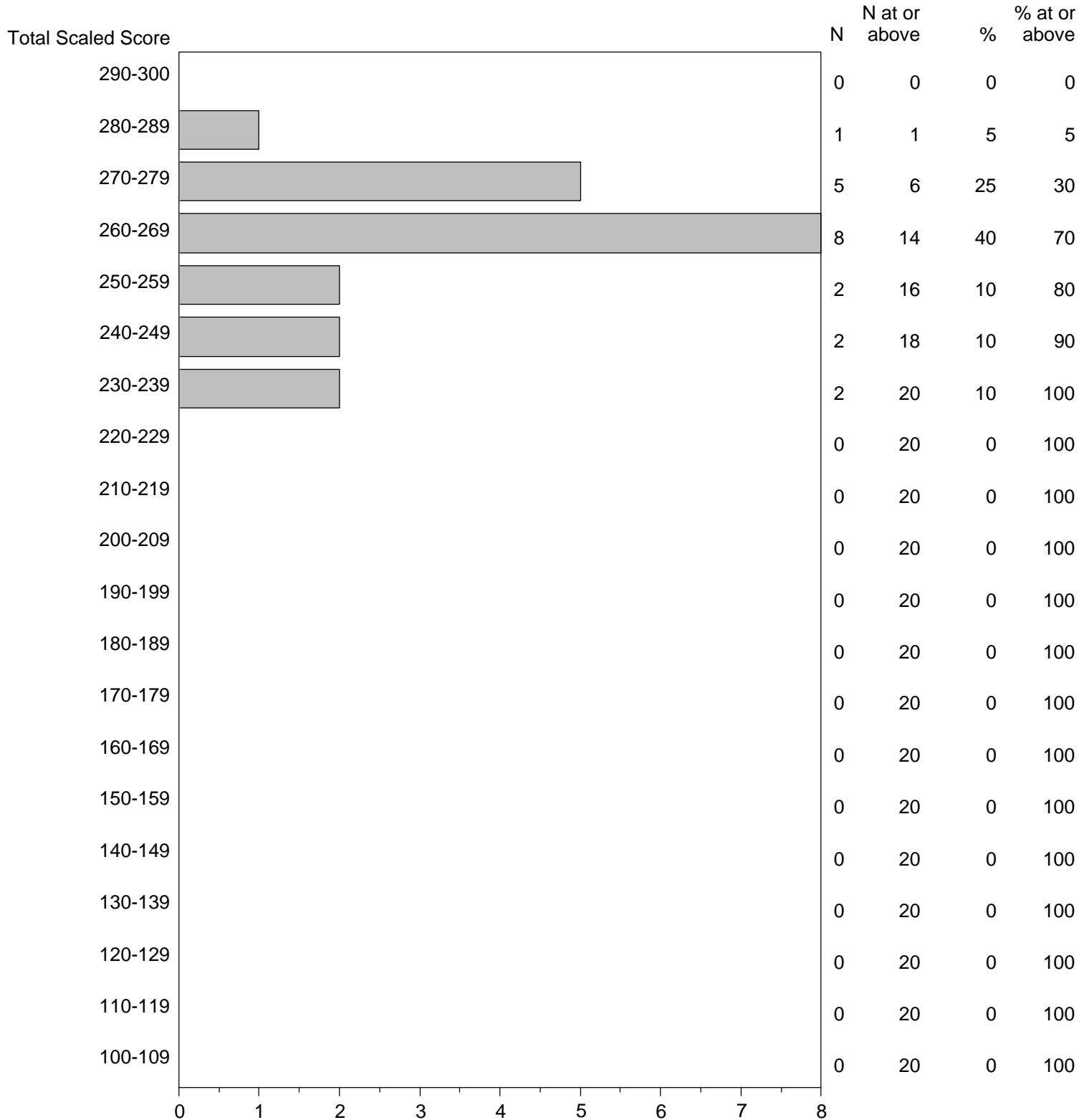


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=086 Agricultural Education (Grades 5-12) Subtest 1

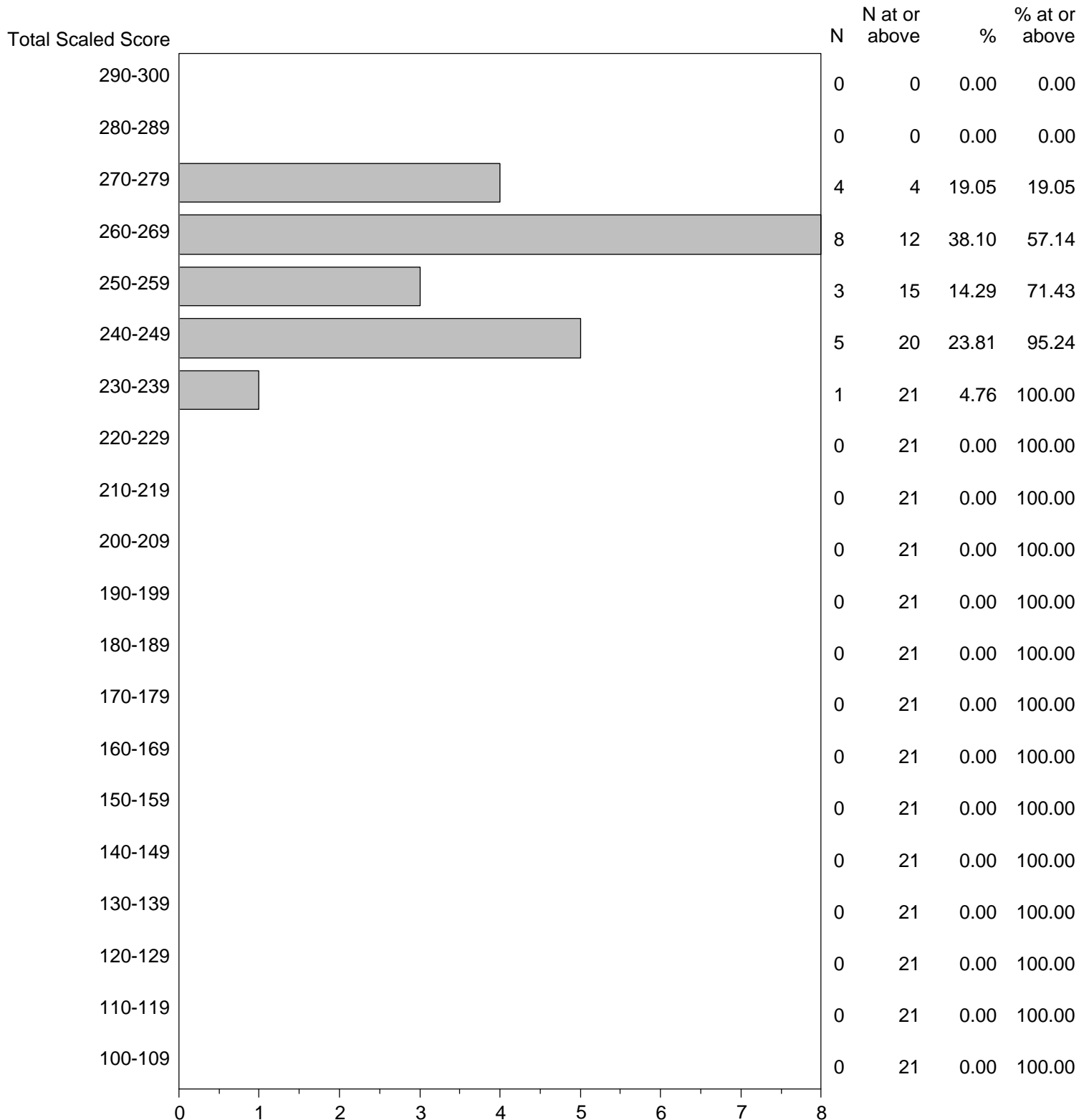


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=087 Agricultural Education (Grades 5-12) Subtest 2

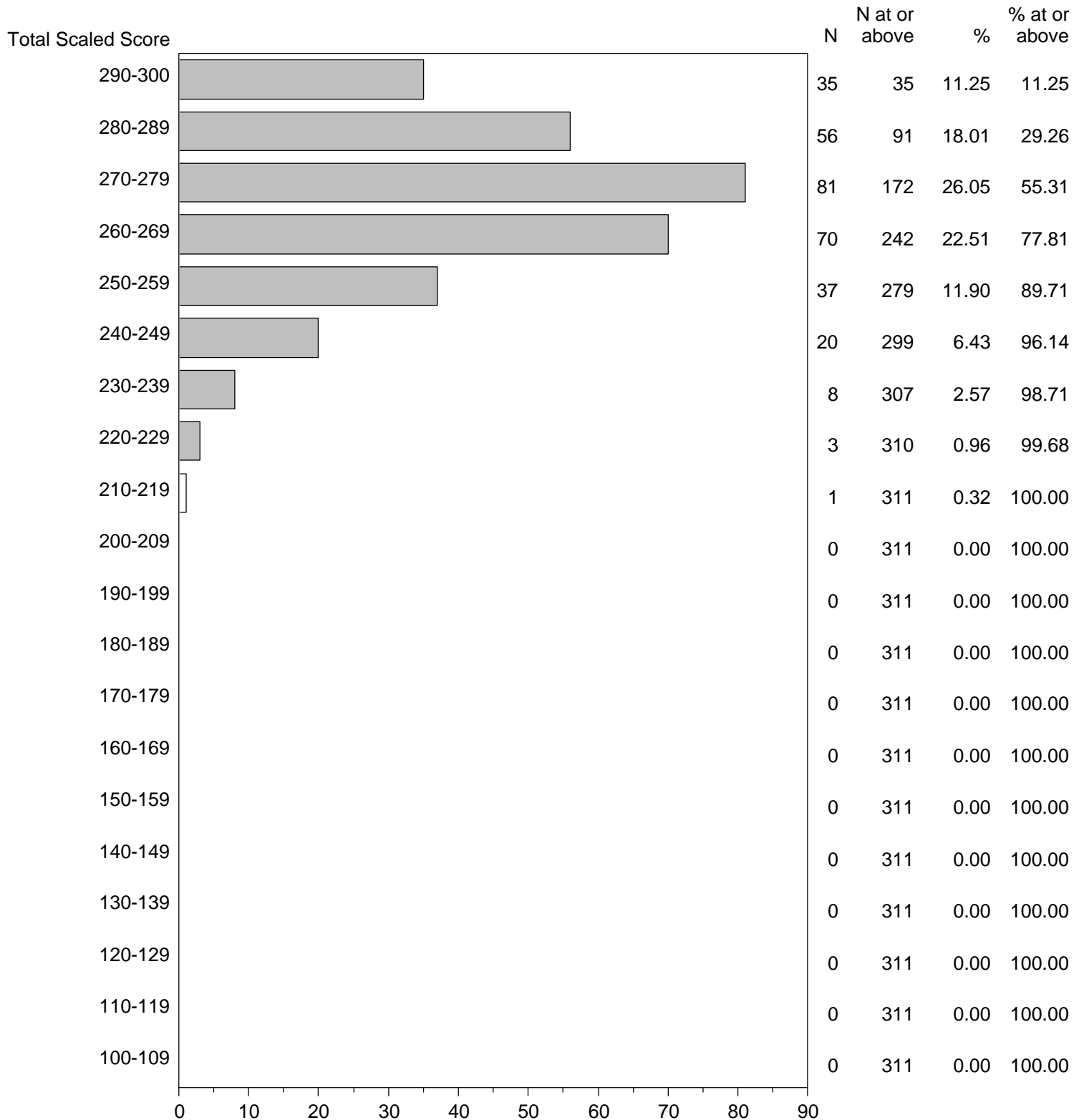


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=100 Reading Teacher (Grades K-12) Subtest 1

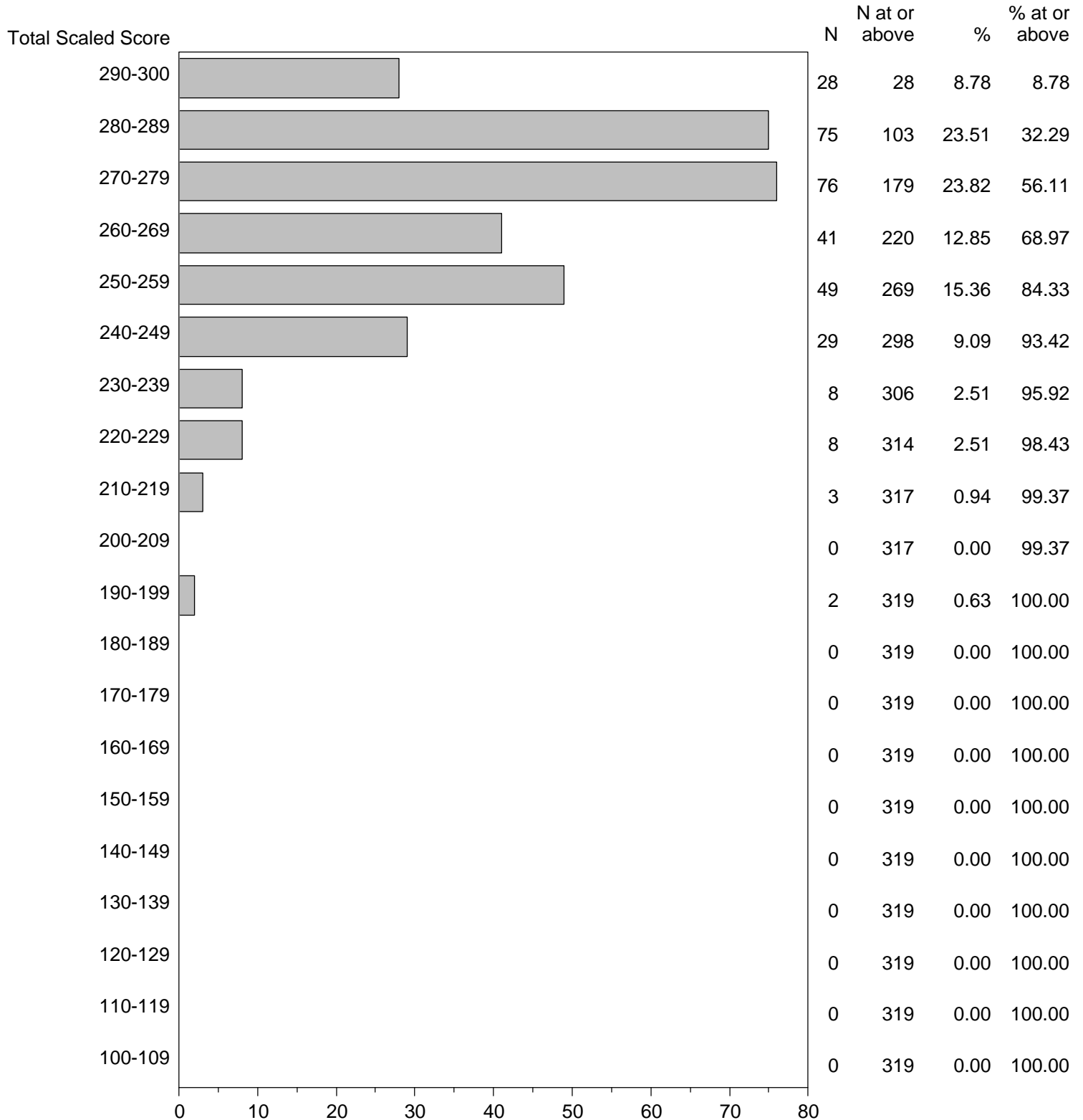


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=101 Reading Teacher (Grades K-12) Subtest 2

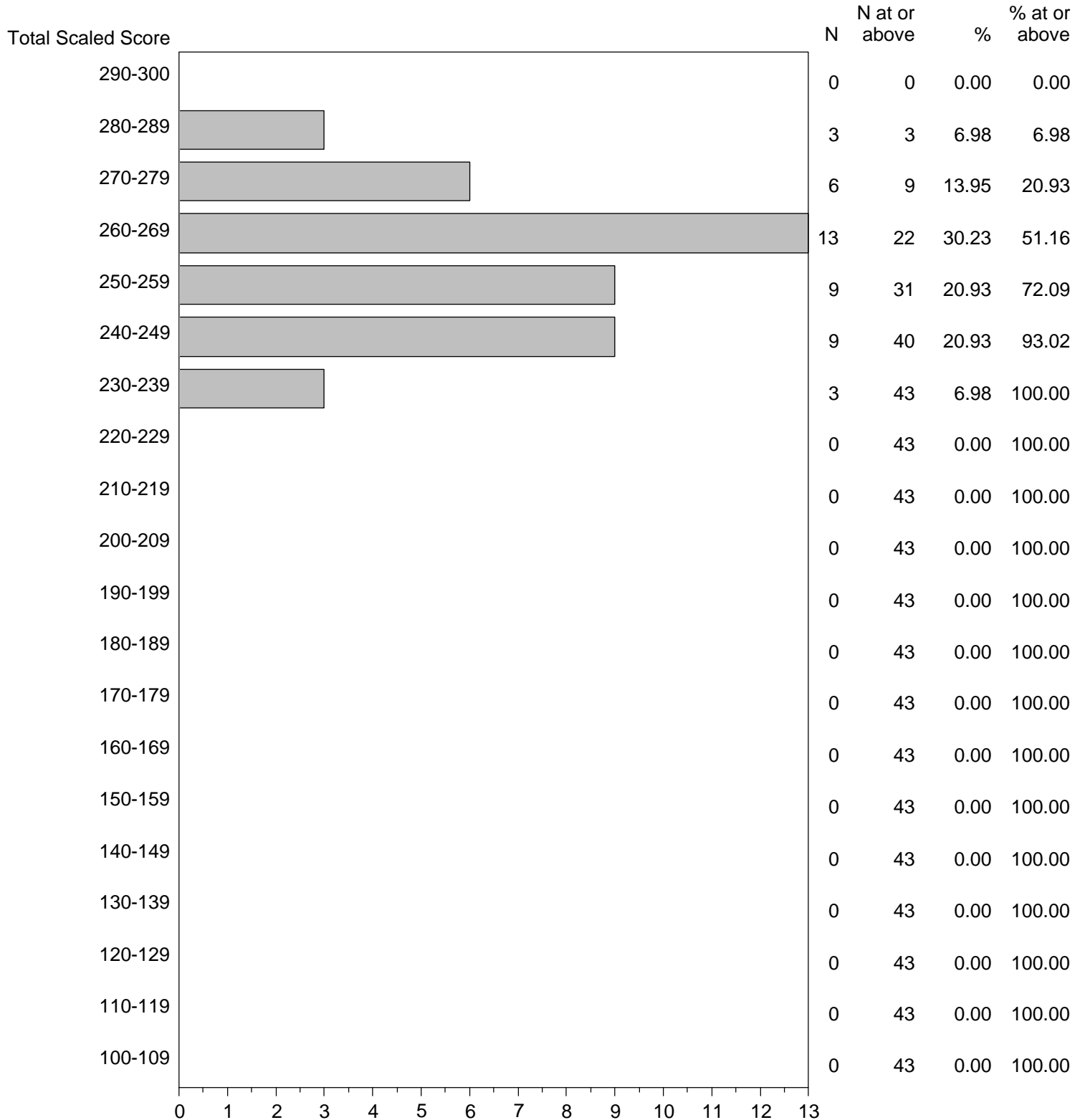


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=102 Library Media Specialist (Grades K-12) Subtest 1

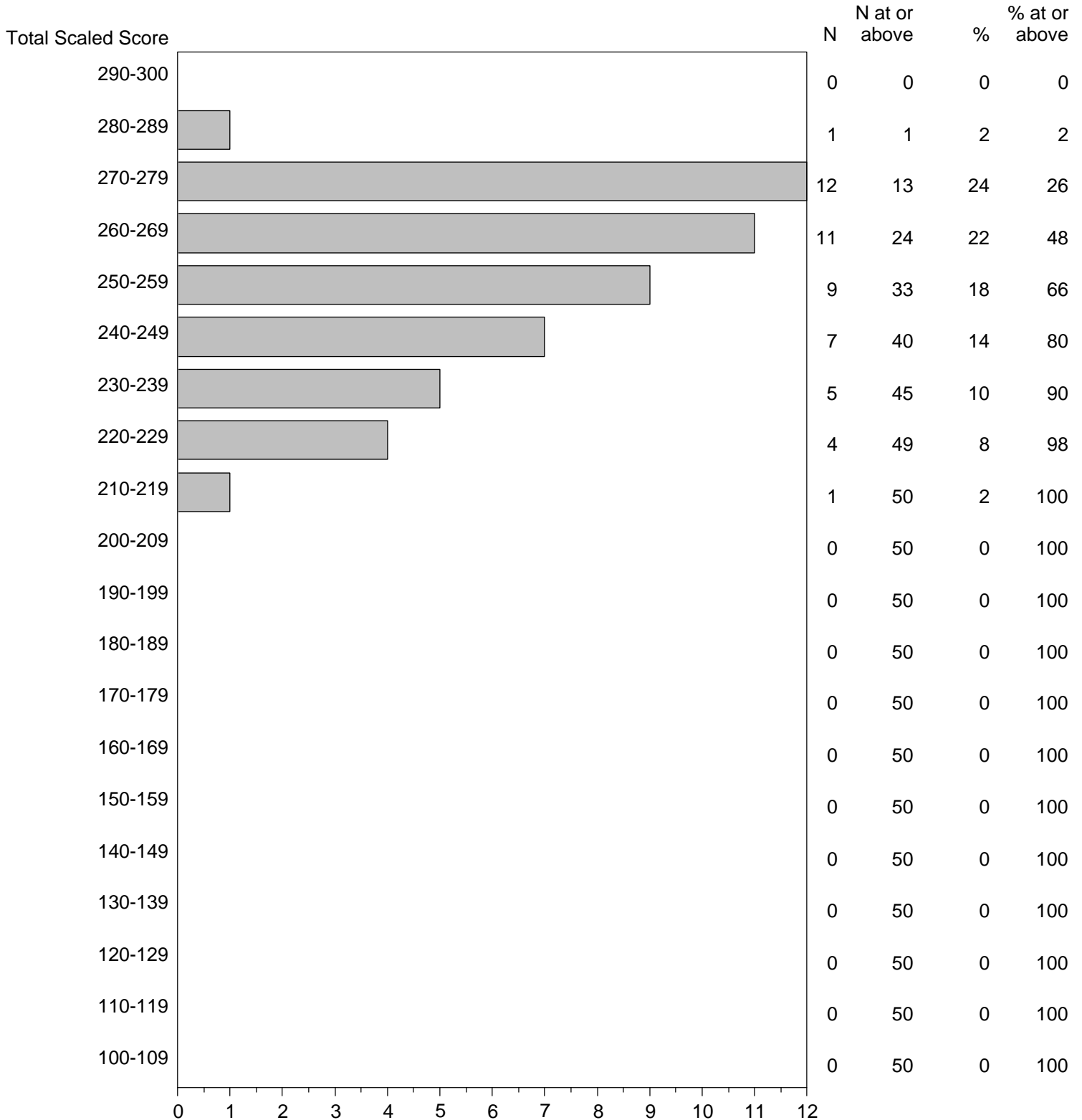


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=103 Library Media Specialist (Grades K-12) Subtest 2

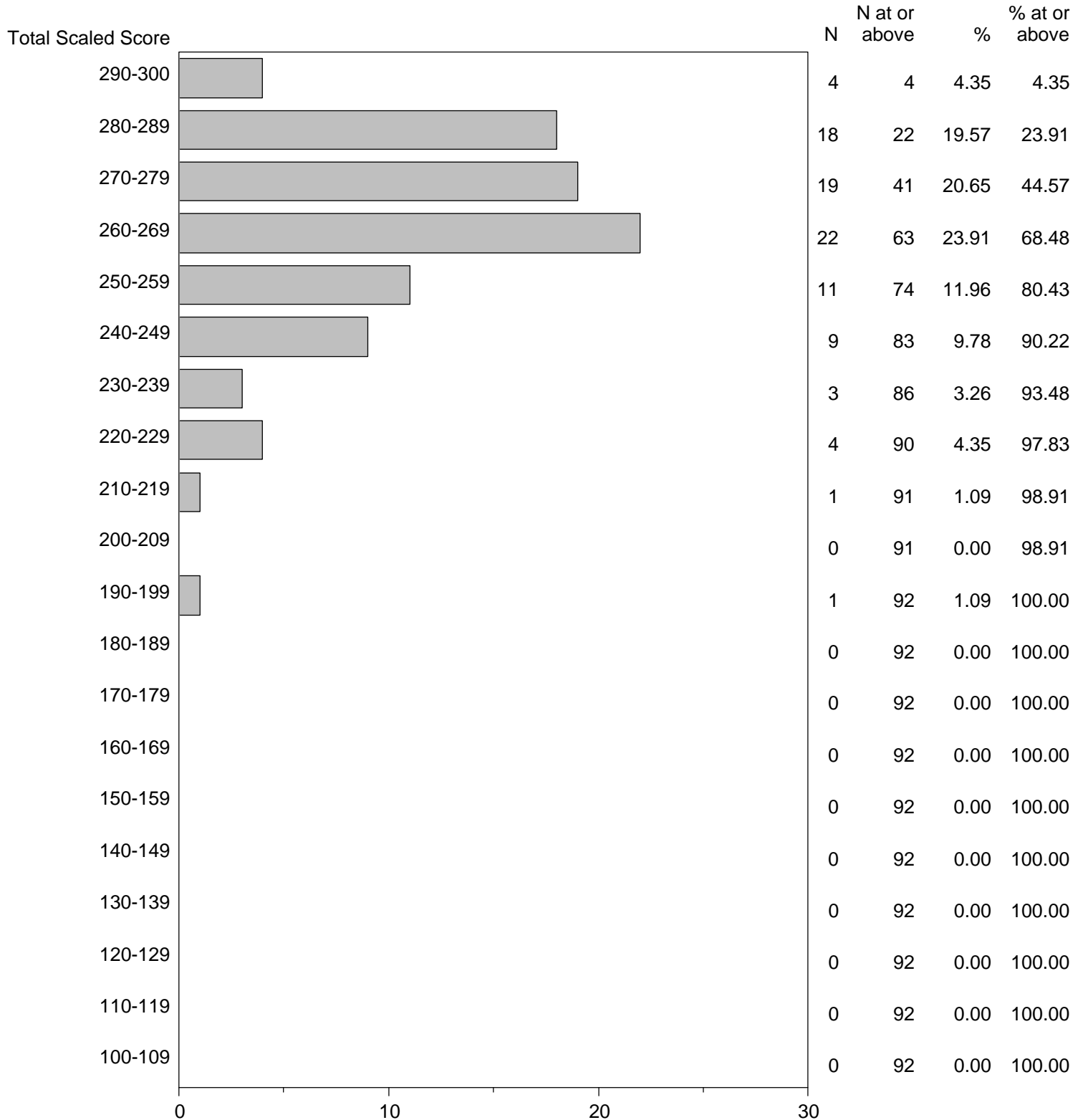


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=104 Visual Arts (Grades K-12) Subtest 1

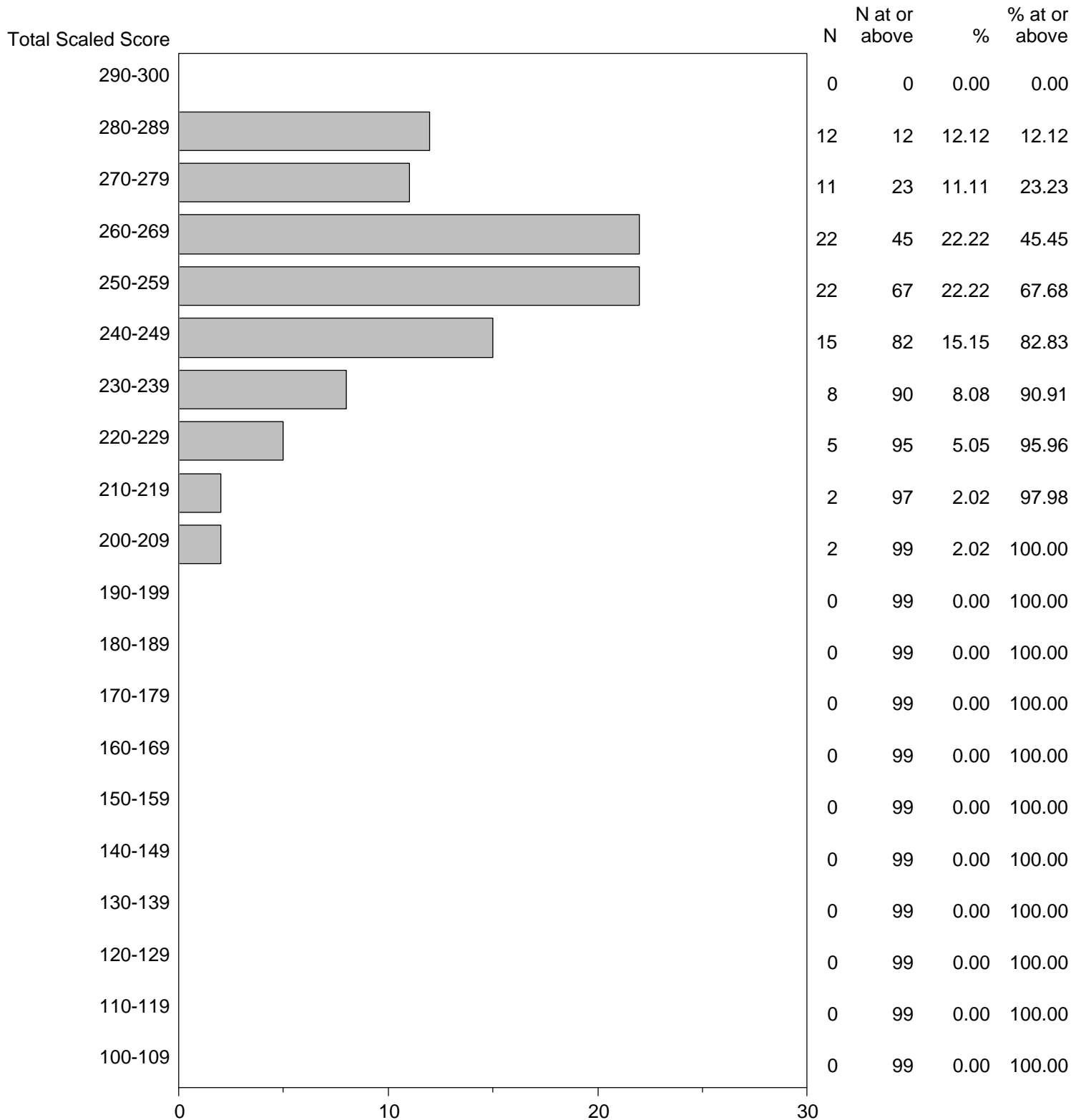


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=105 Visual Arts (Grades K-12) Subtest 2

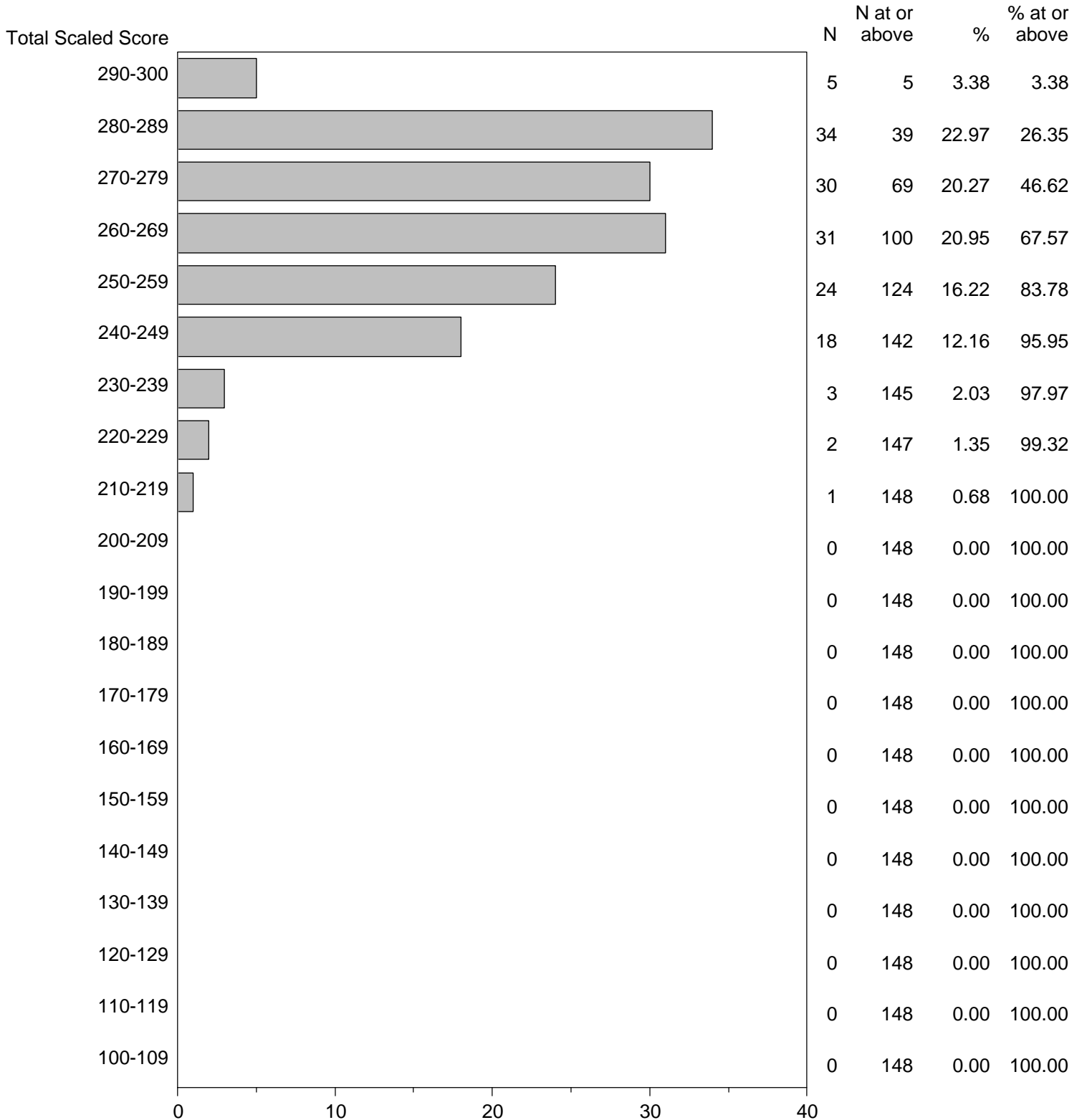


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=106 Instrumental and Vocal Classroom Music (Grades K-12) Subtest 1

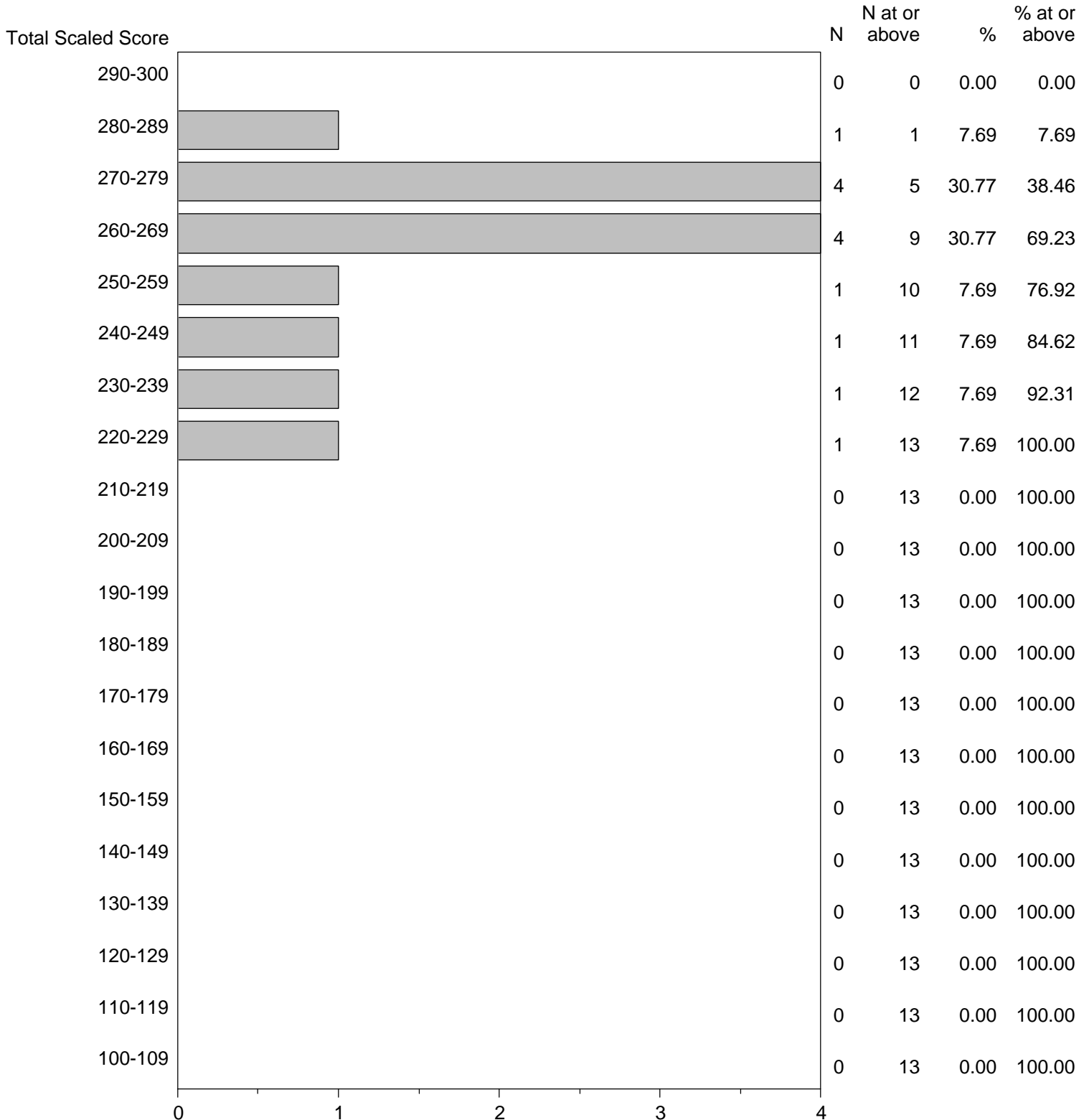


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=108 Theatre (Grades K-12) Subtest 1

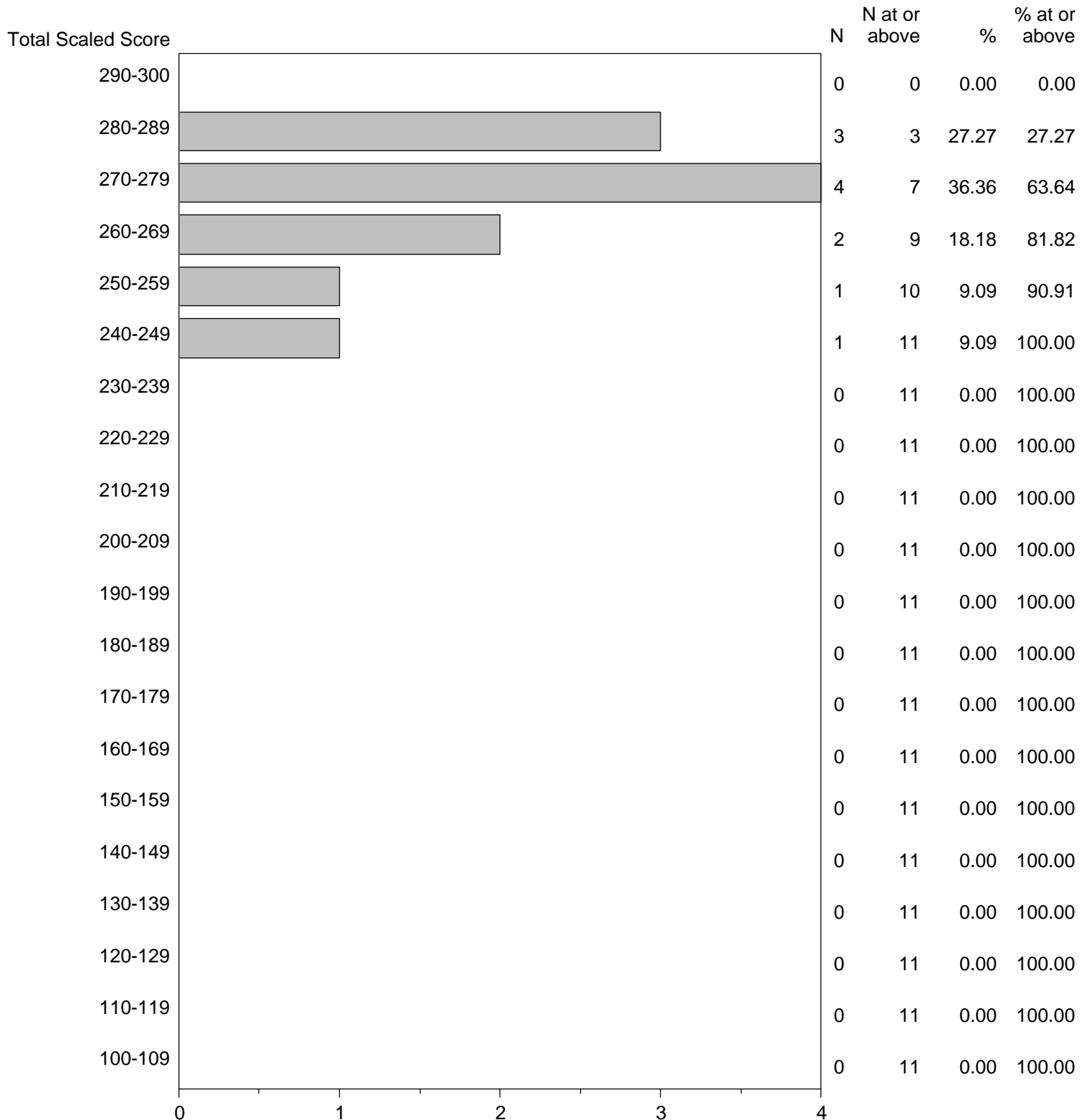


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=109 Theatre (Grades K-12) Subtest 2

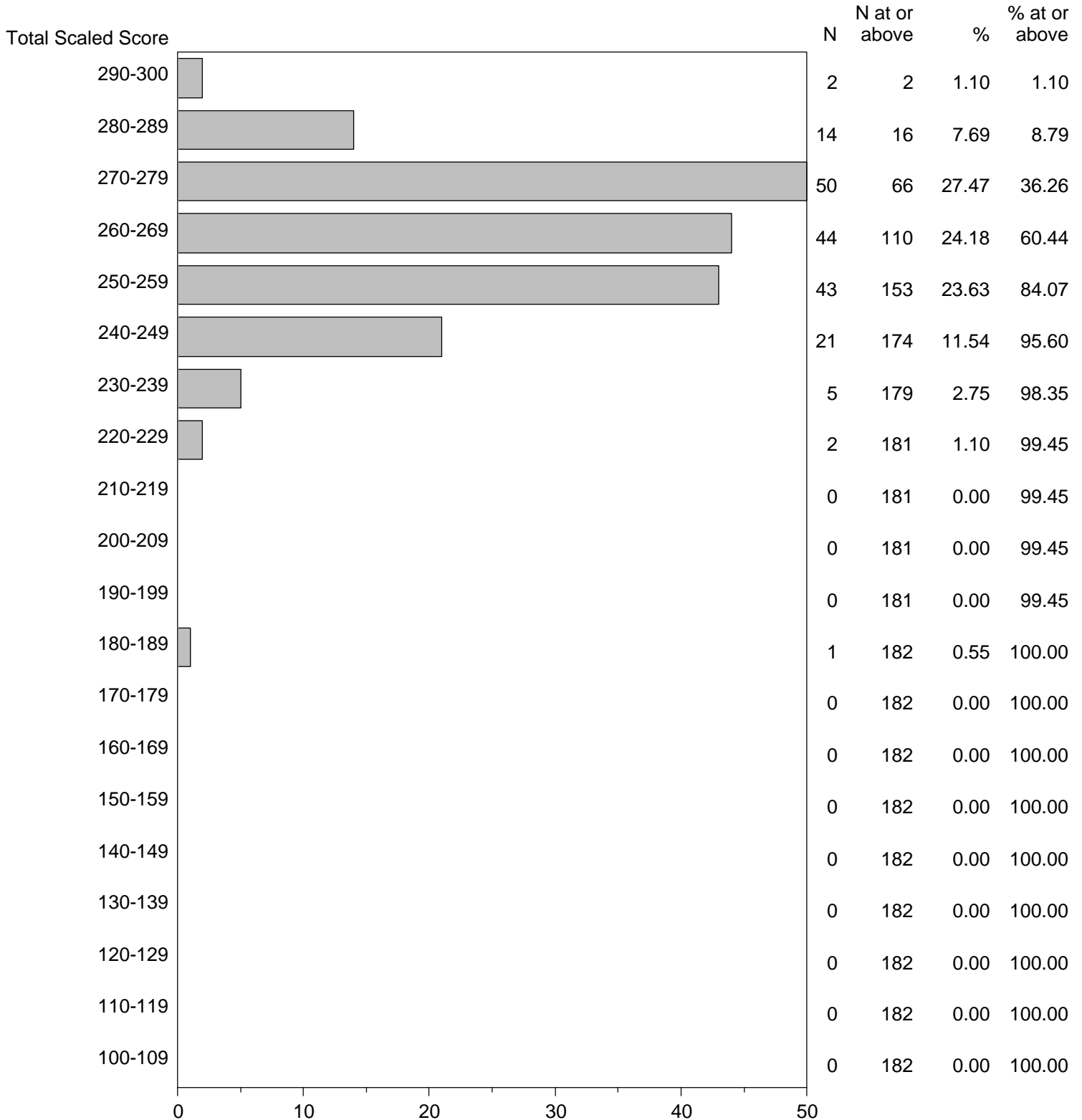


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=112 Physical Education (Grades K-12) Subtest 1

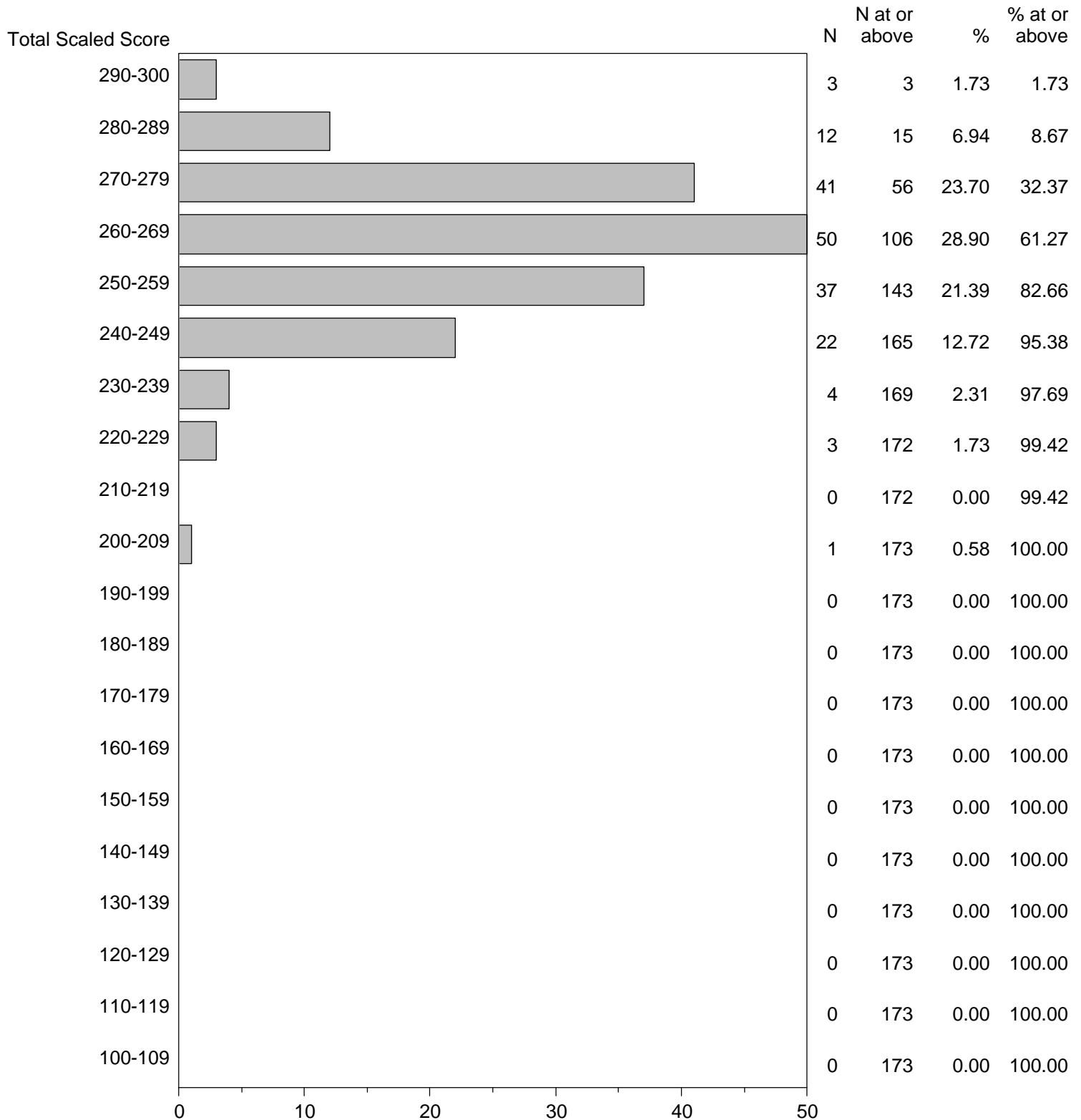


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=113 Physical Education (Grades K-12) Subtest 2

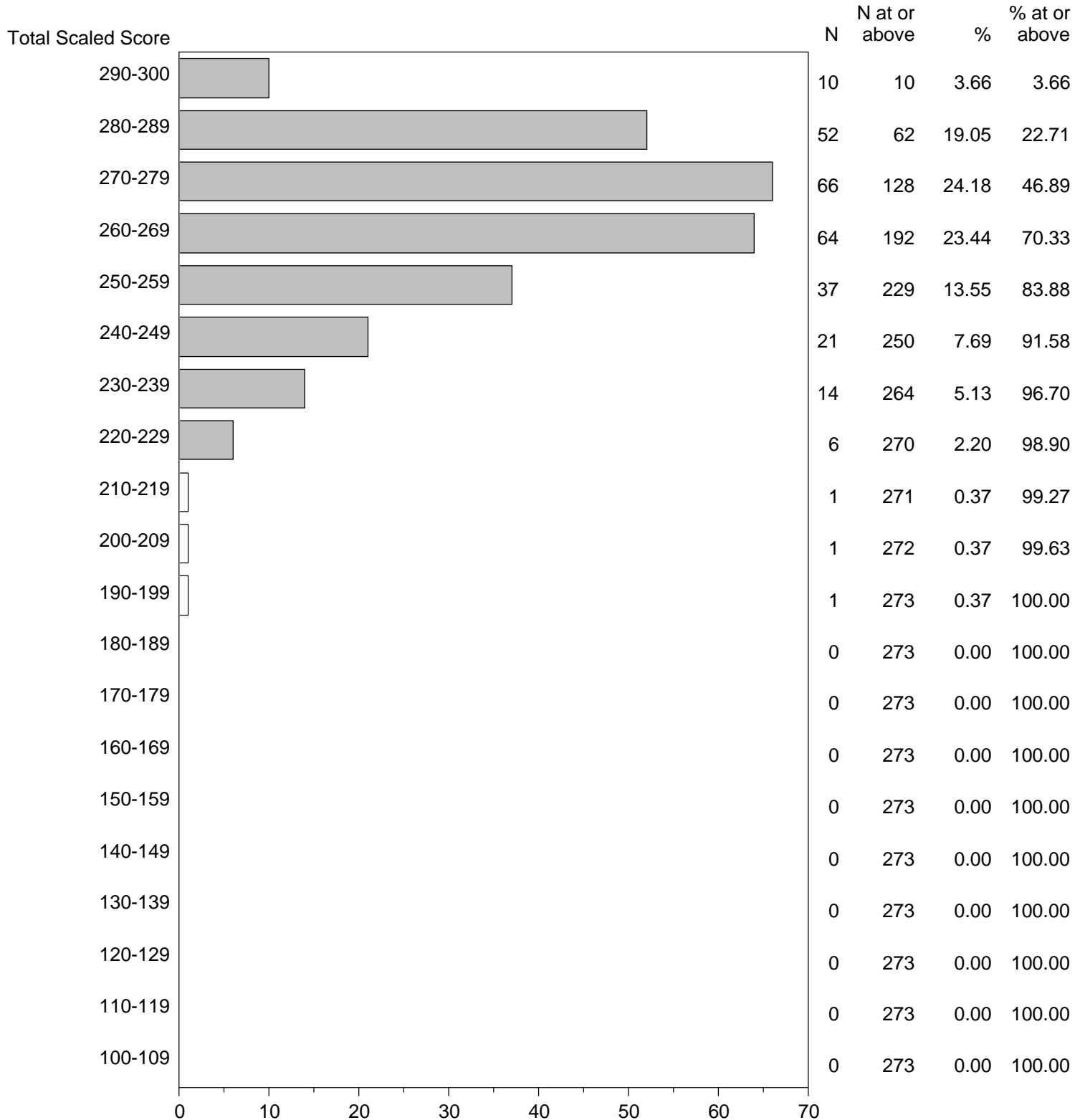


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=114 English as a Second Language (Grades K-12) Subtest 1

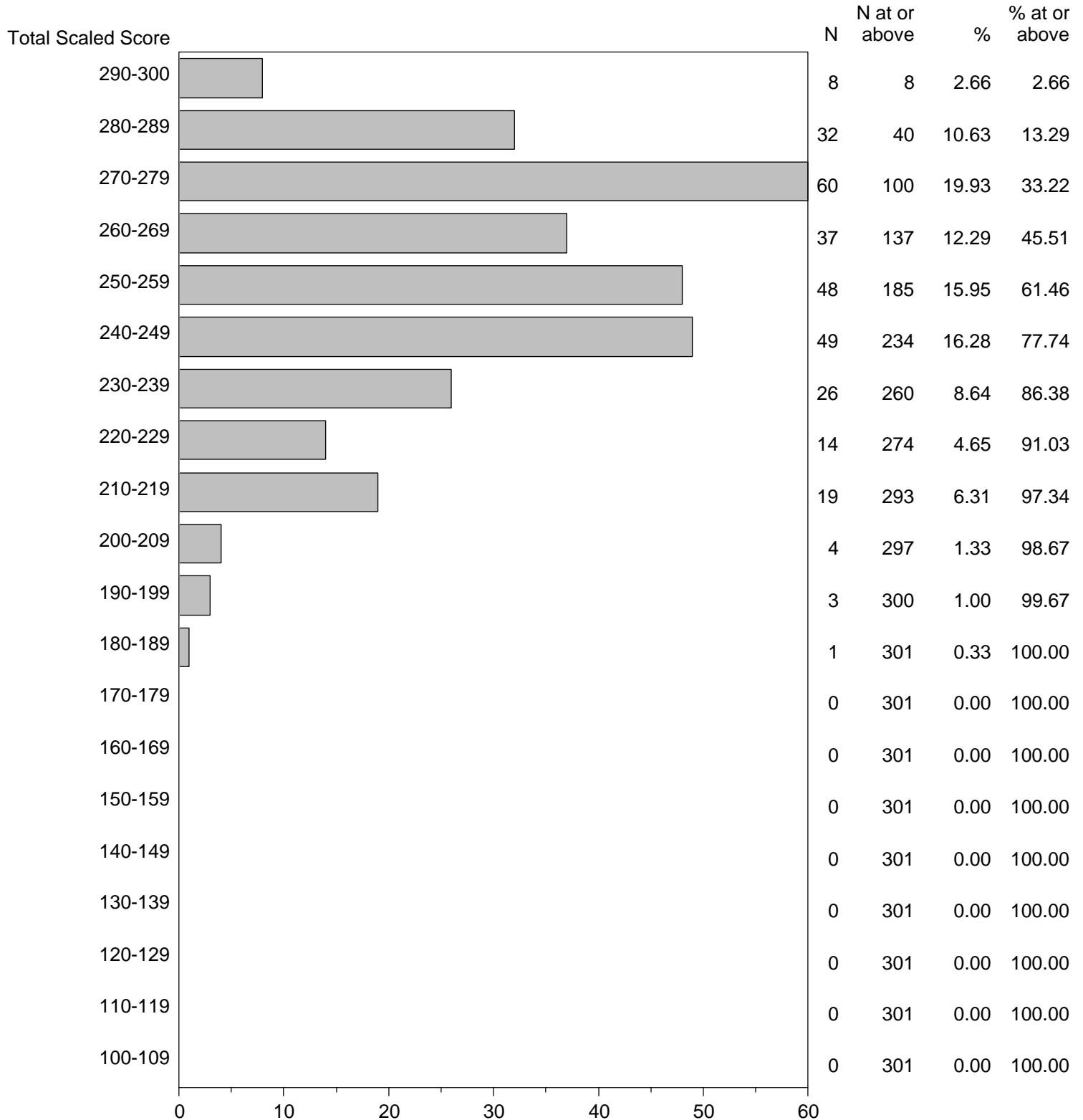


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=115 English as a Second Language (Grades K-12) Subtest 2

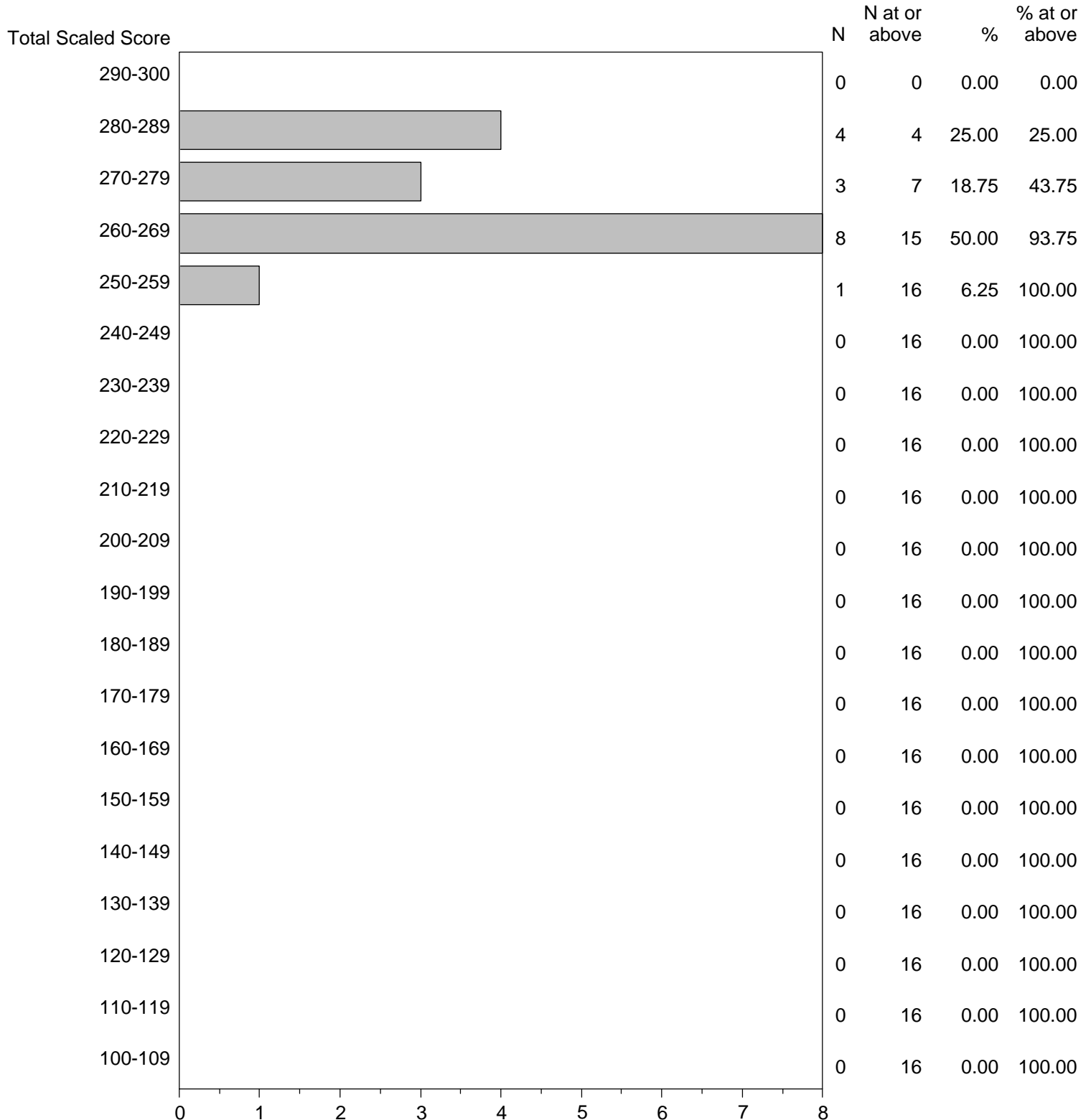


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=130 Computer, Keyboarding, and Related Technology (Grades K-12) Subtest 1

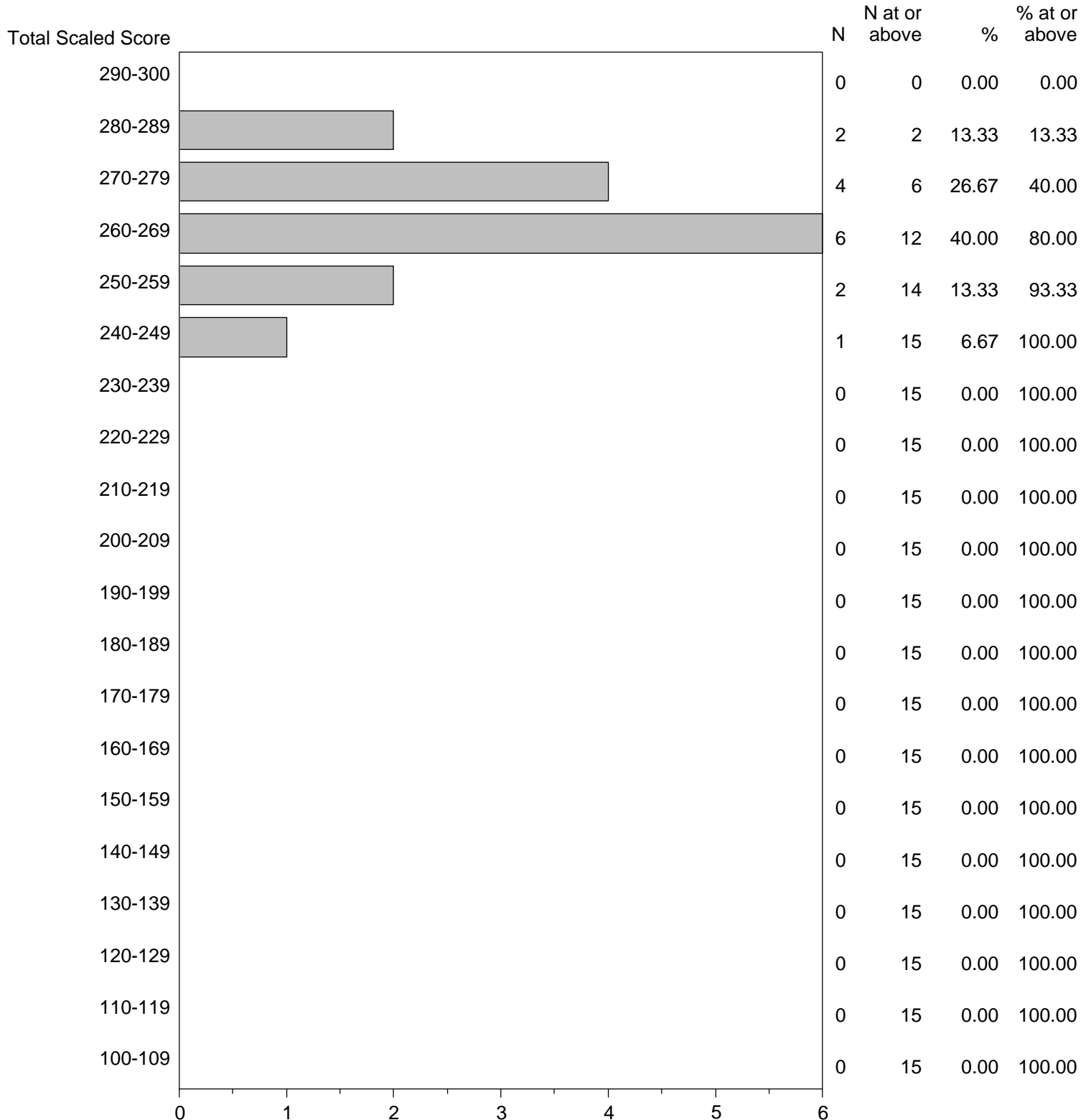


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=131 Computer, Keyboarding, and Related Technology (Grades K-12) Subtest 2

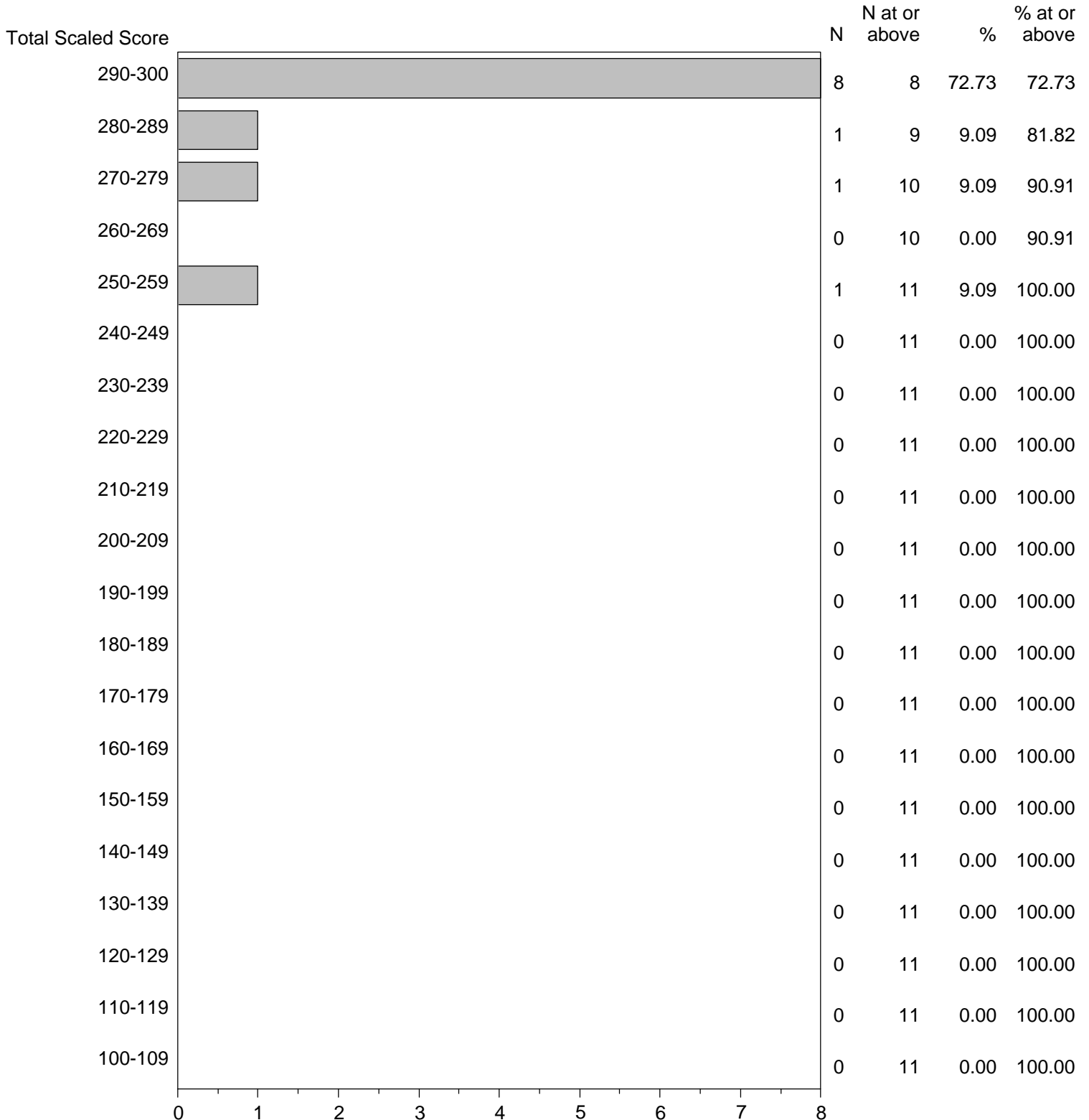


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=158 World Language and Culture: Chinese (Mandarin) (Grades K-12) Subtest 1

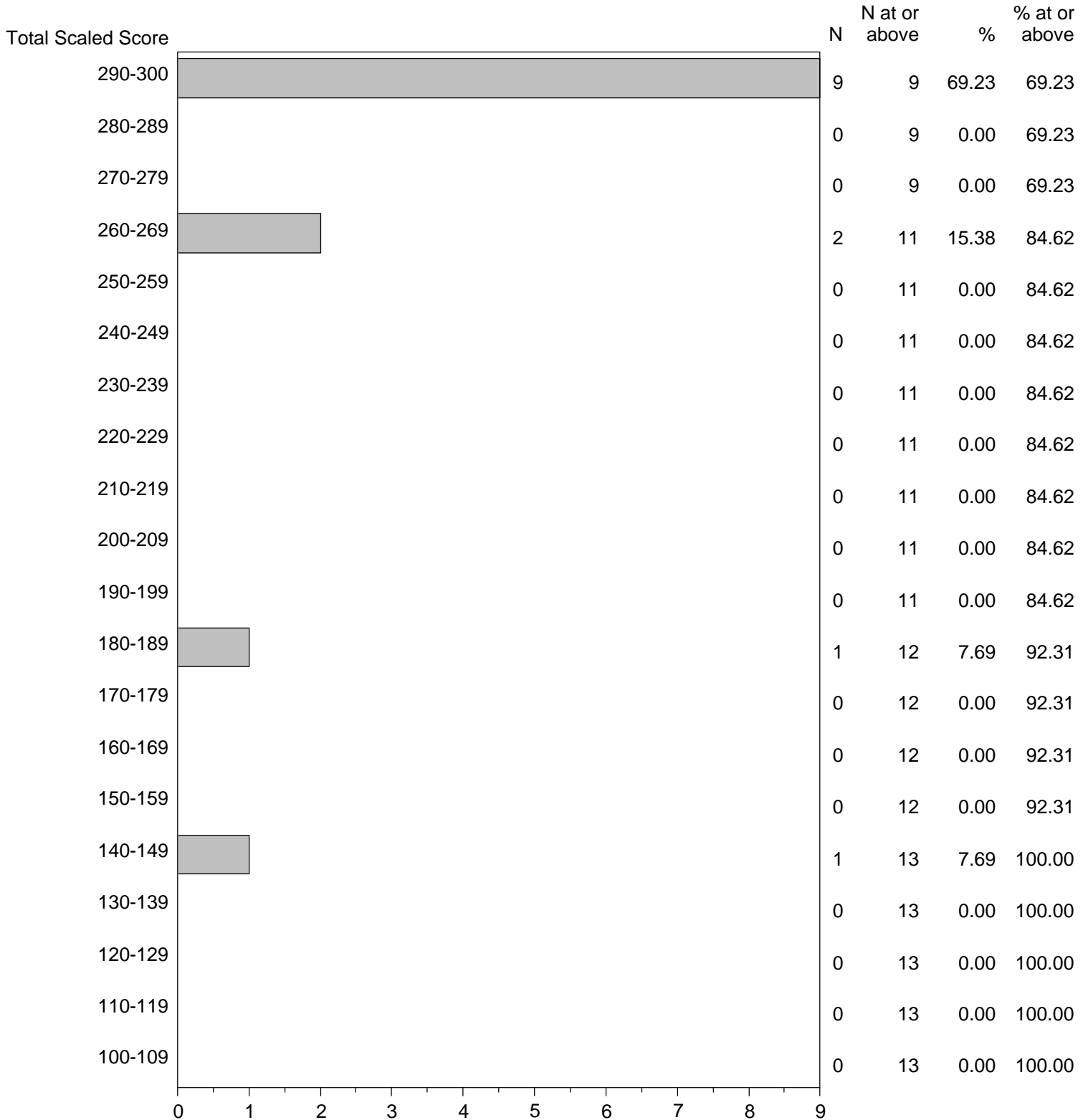


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=159 World Language and Culture: Chinese (Mandarin) (Grades K-12) Subtest 2

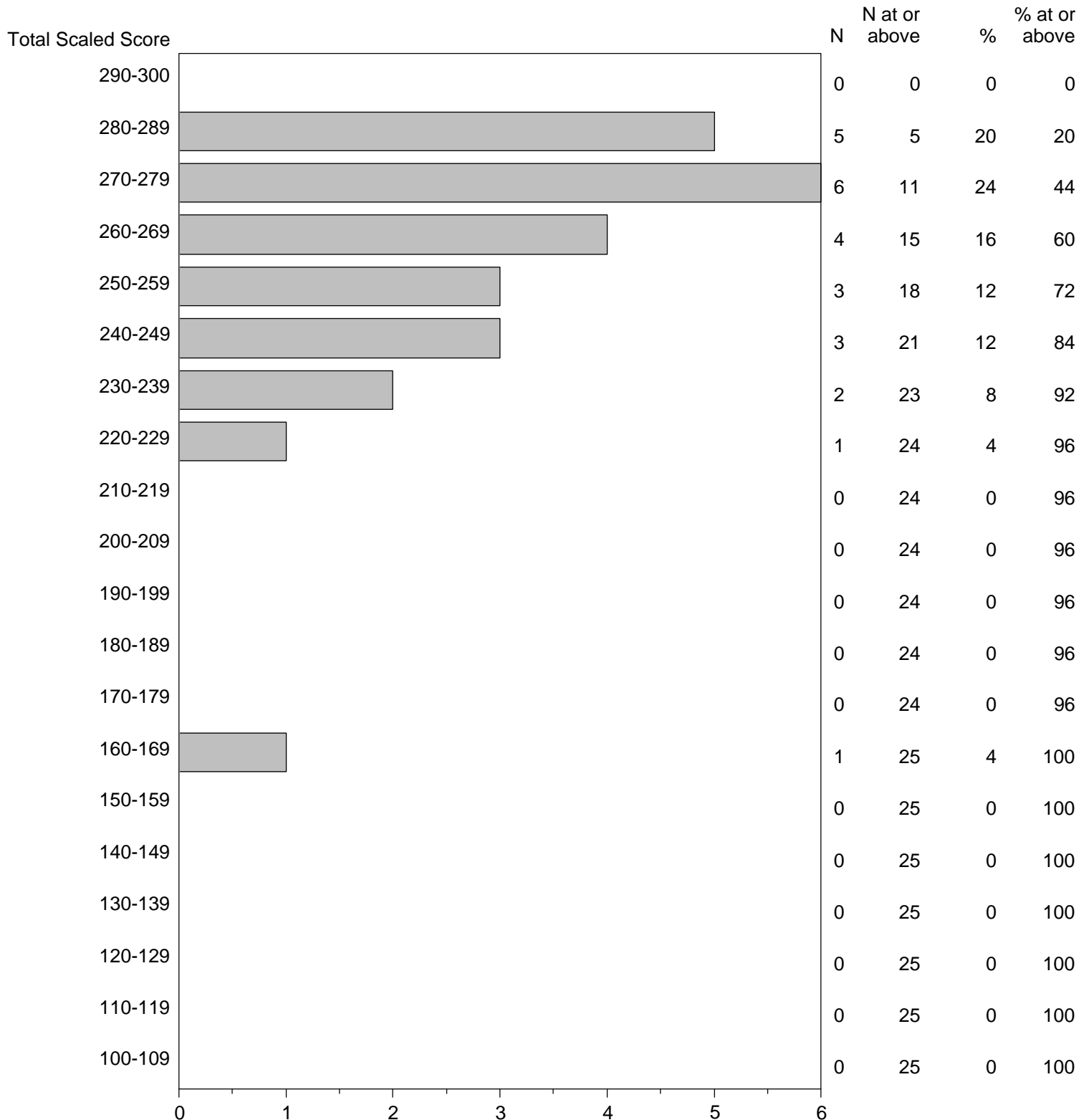


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=160 World Language and Culture: French (Grades K-12) Subtest 1

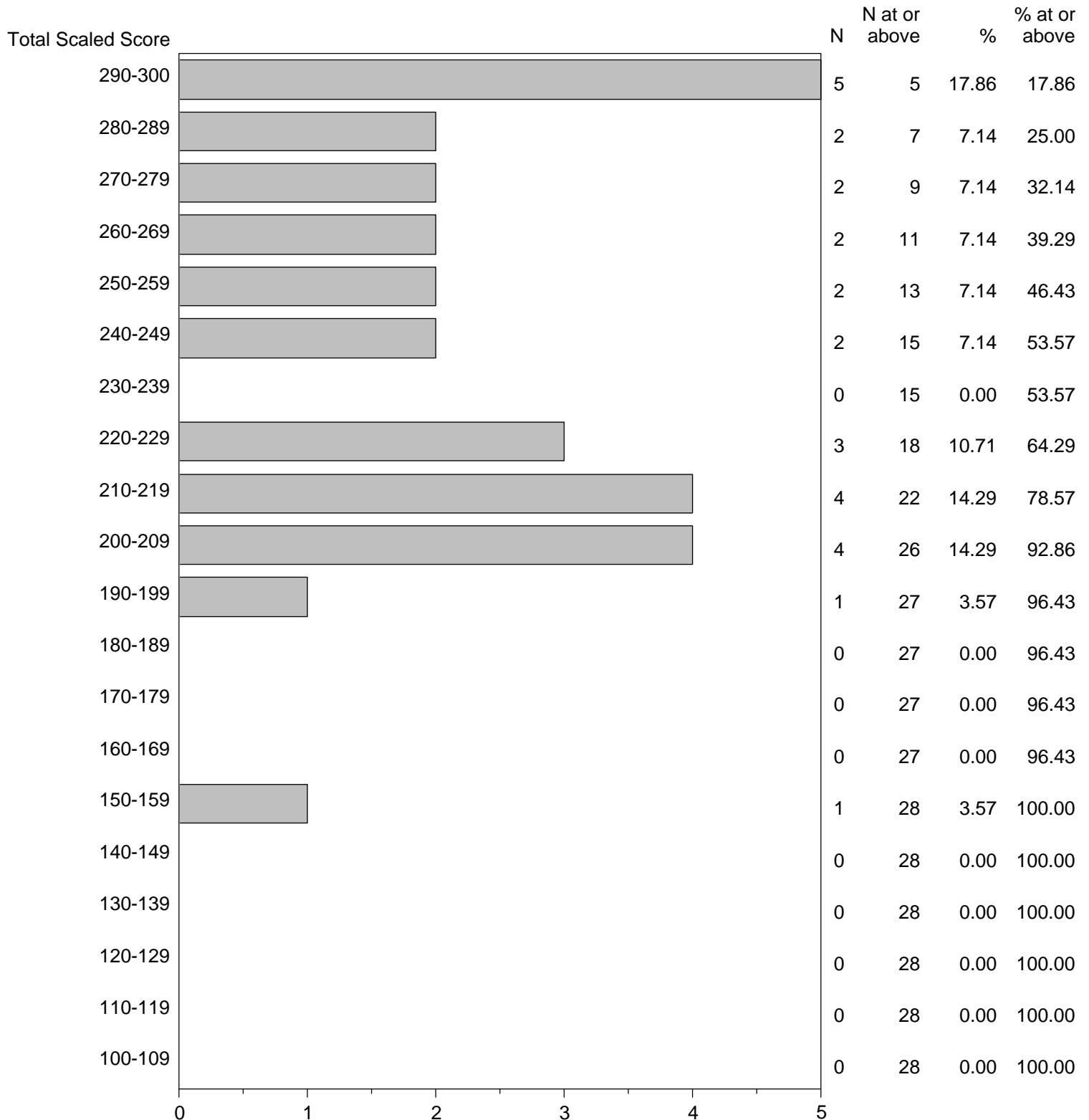


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=161 World Language and Culture: French (Grades K-12) Subtest 2

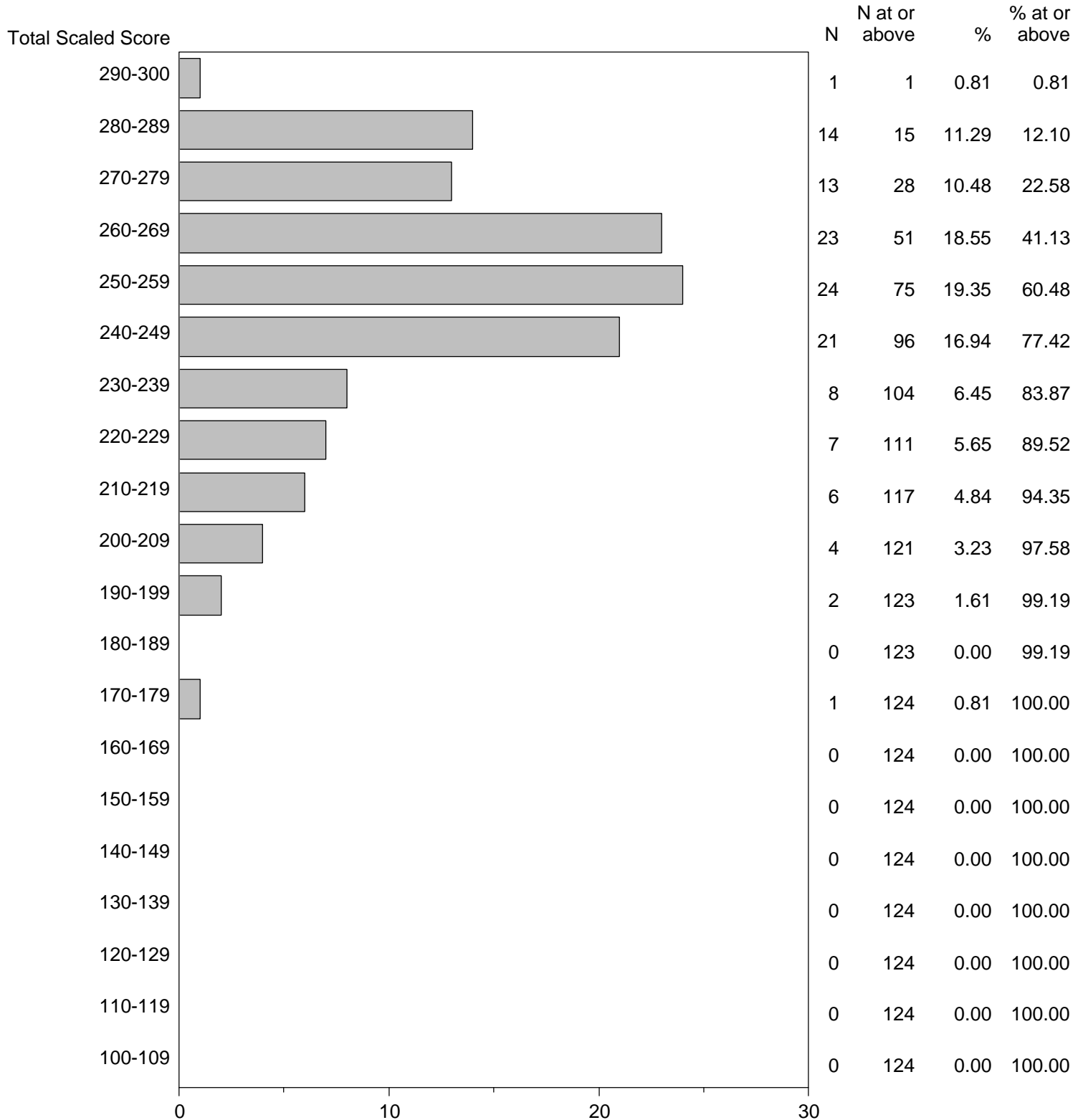


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=164 World Language and Culture: Spanish (Grades K-12) Subtest 1

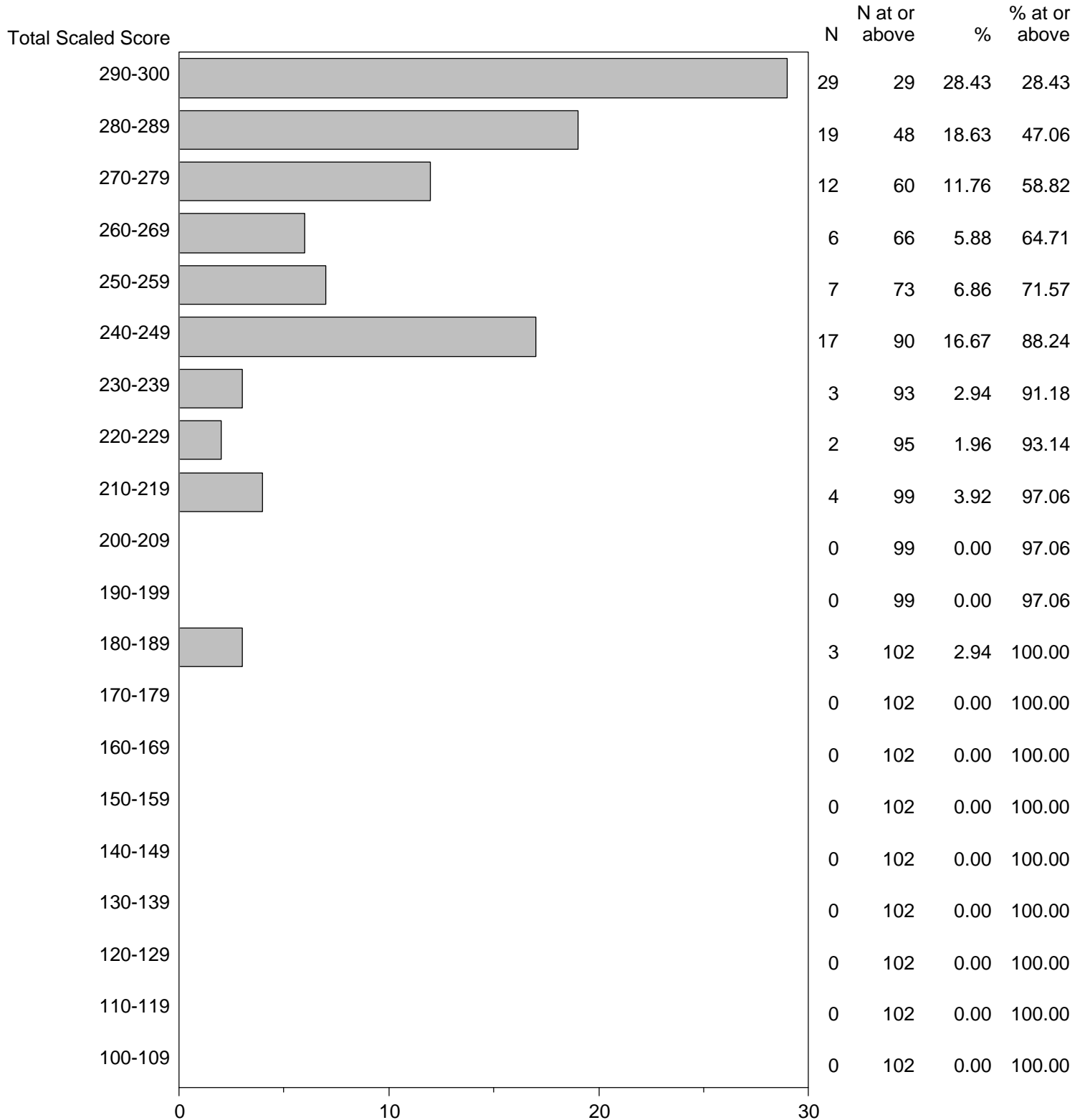


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=165 World Language and Culture: Spanish (Grades K-12) Subtest 2

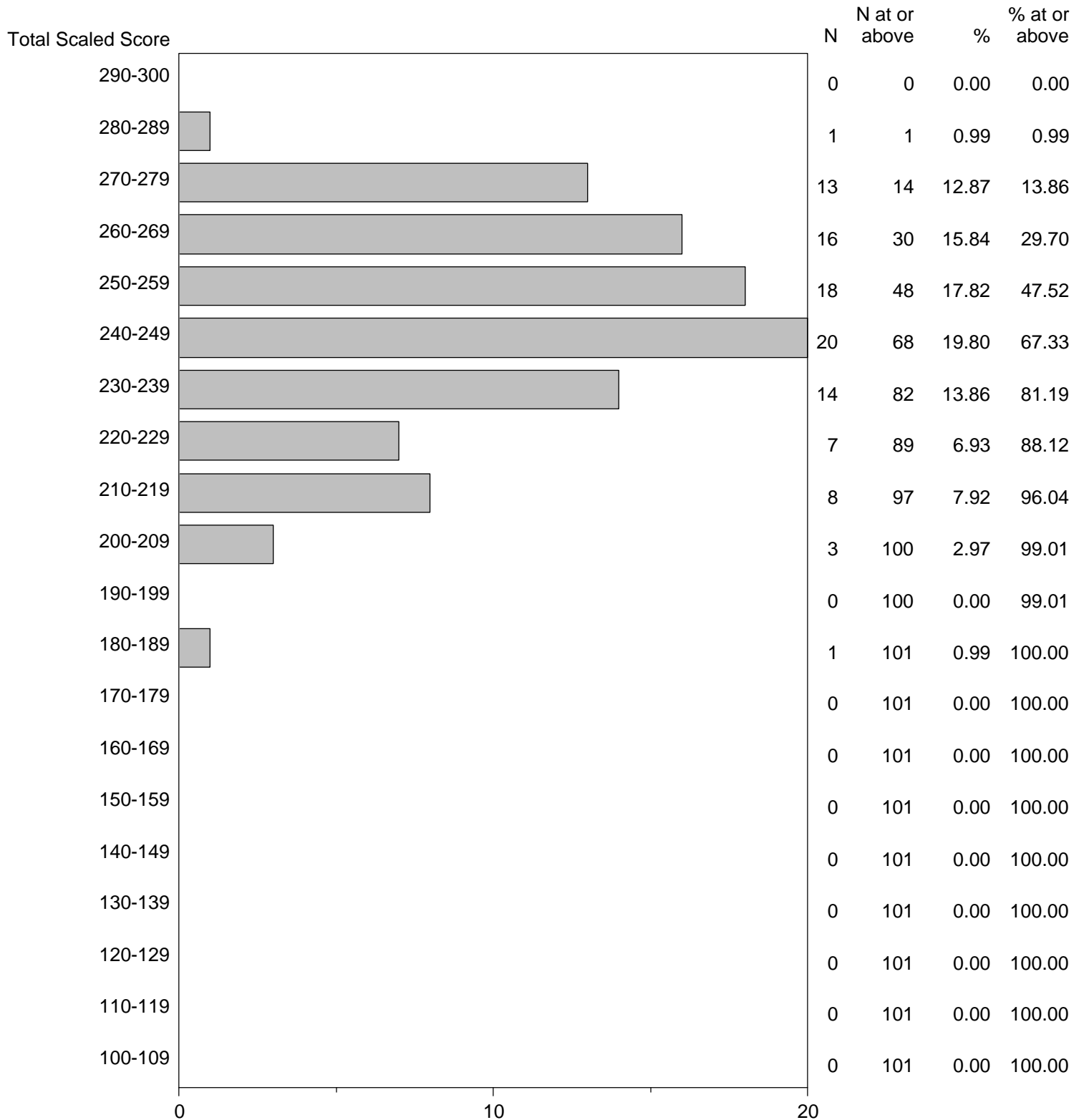


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=184 Instrumental Classroom Music (Grades K-12) Subtest 2

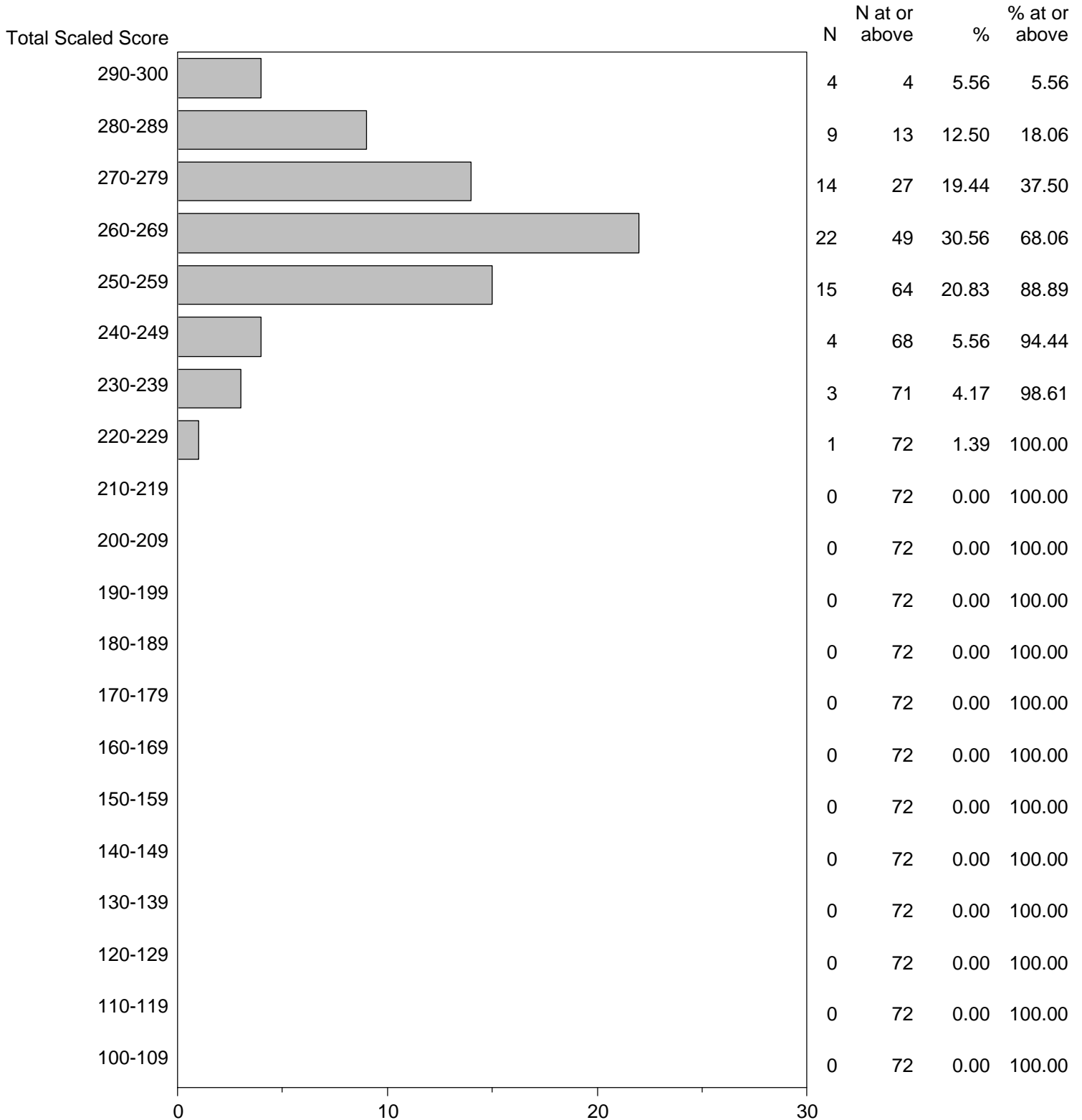


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=185 Vocal Classroom Music (Grades K-12) Subtest 2

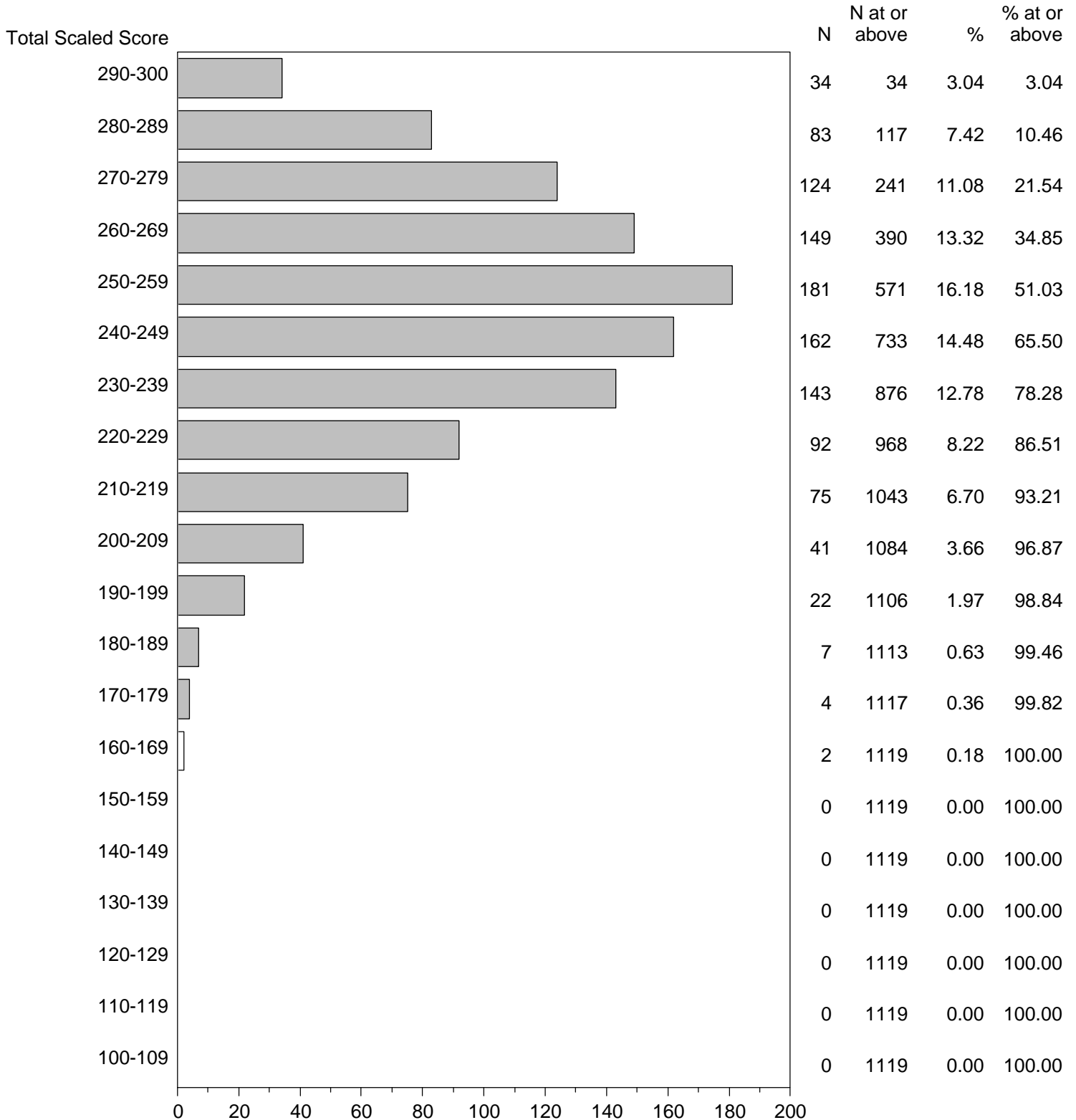


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=186 Special Education Core Skills (Birth to Age 21) Subtest 1

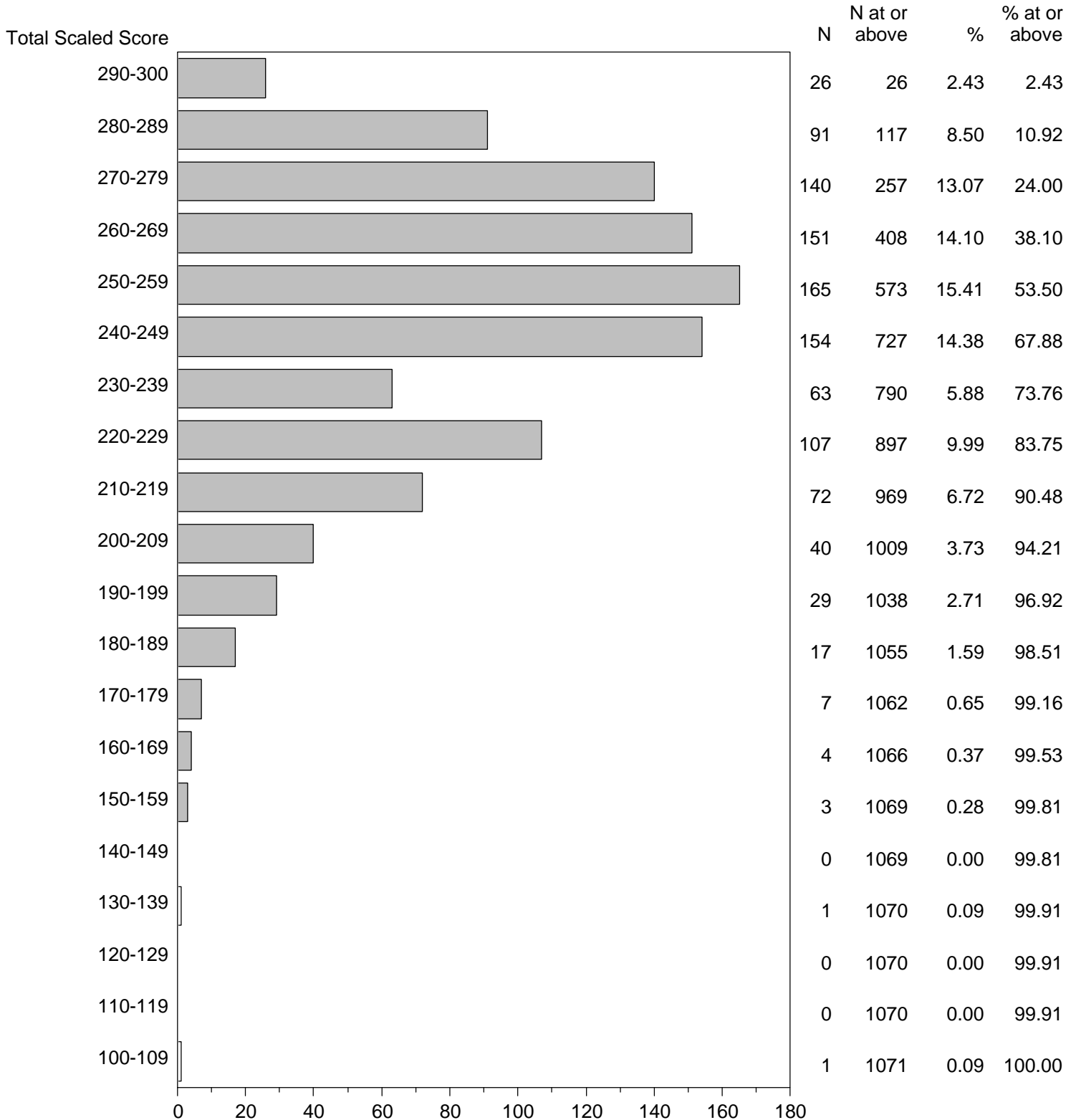


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=187 Special Education Core Skills (Birth to Age 21) Subtest 2

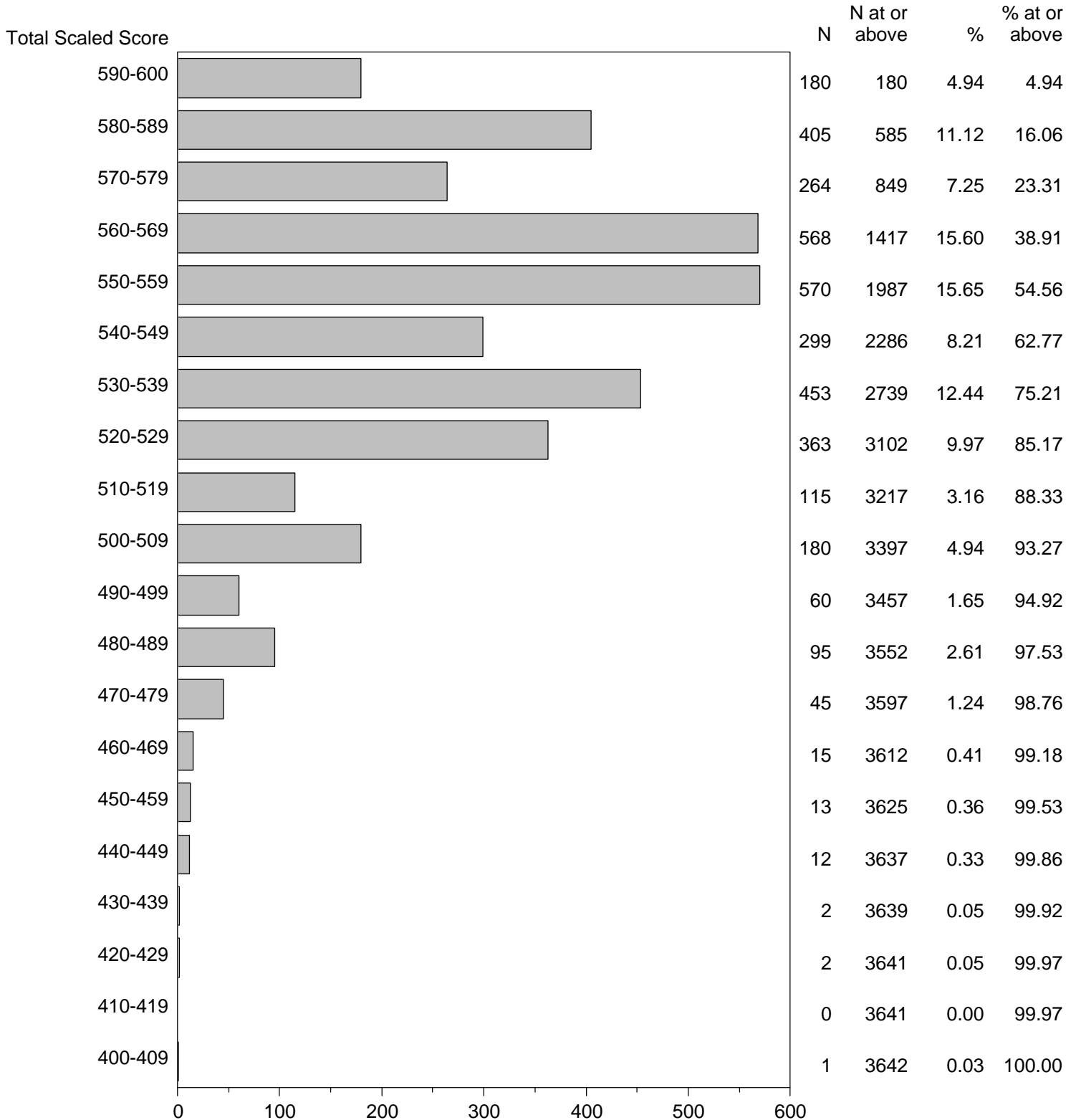


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=188 MN NES Essential Academic Skills I: Reading

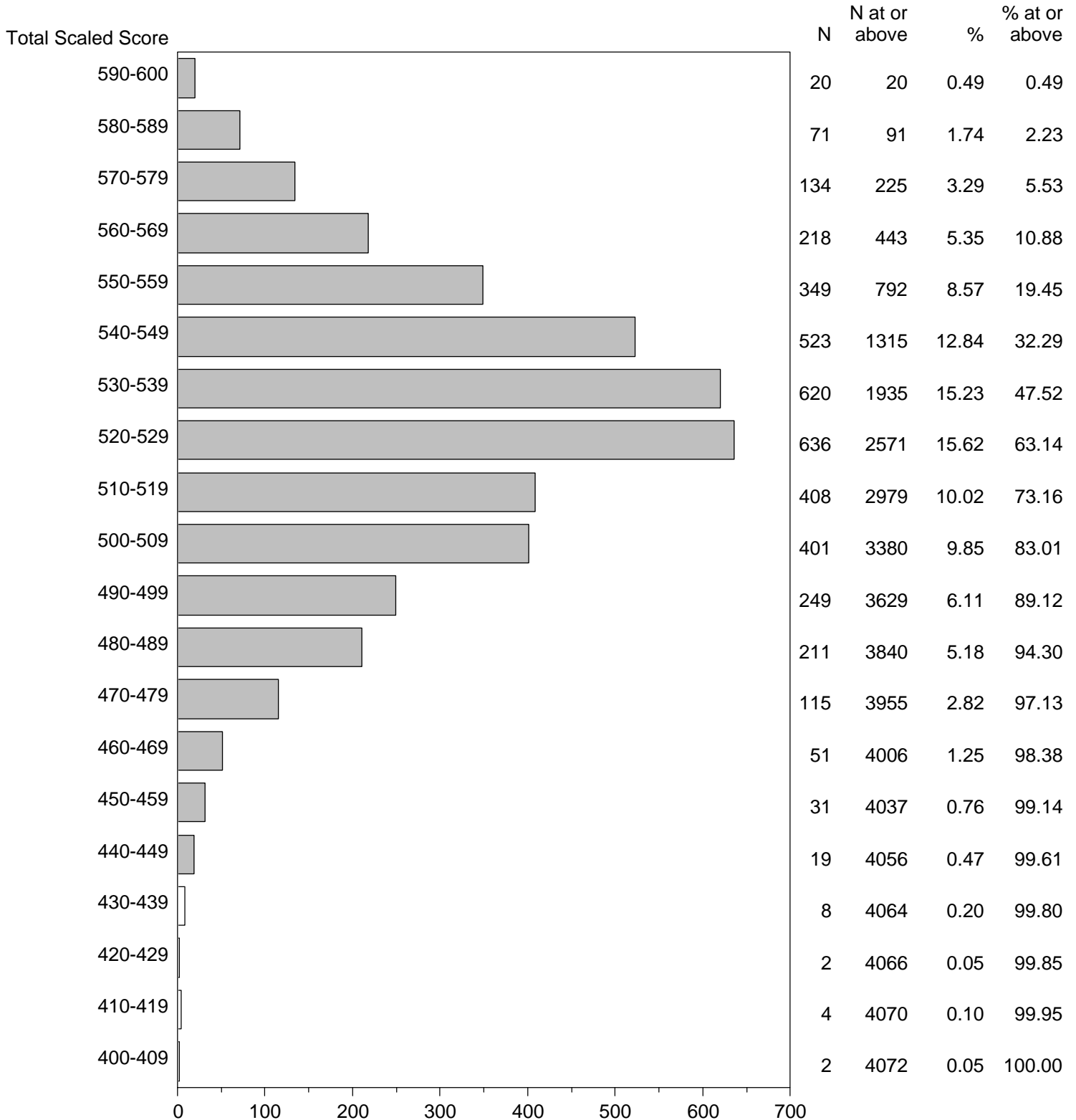


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=189 MN NES Essential Academic Skills II: Writing

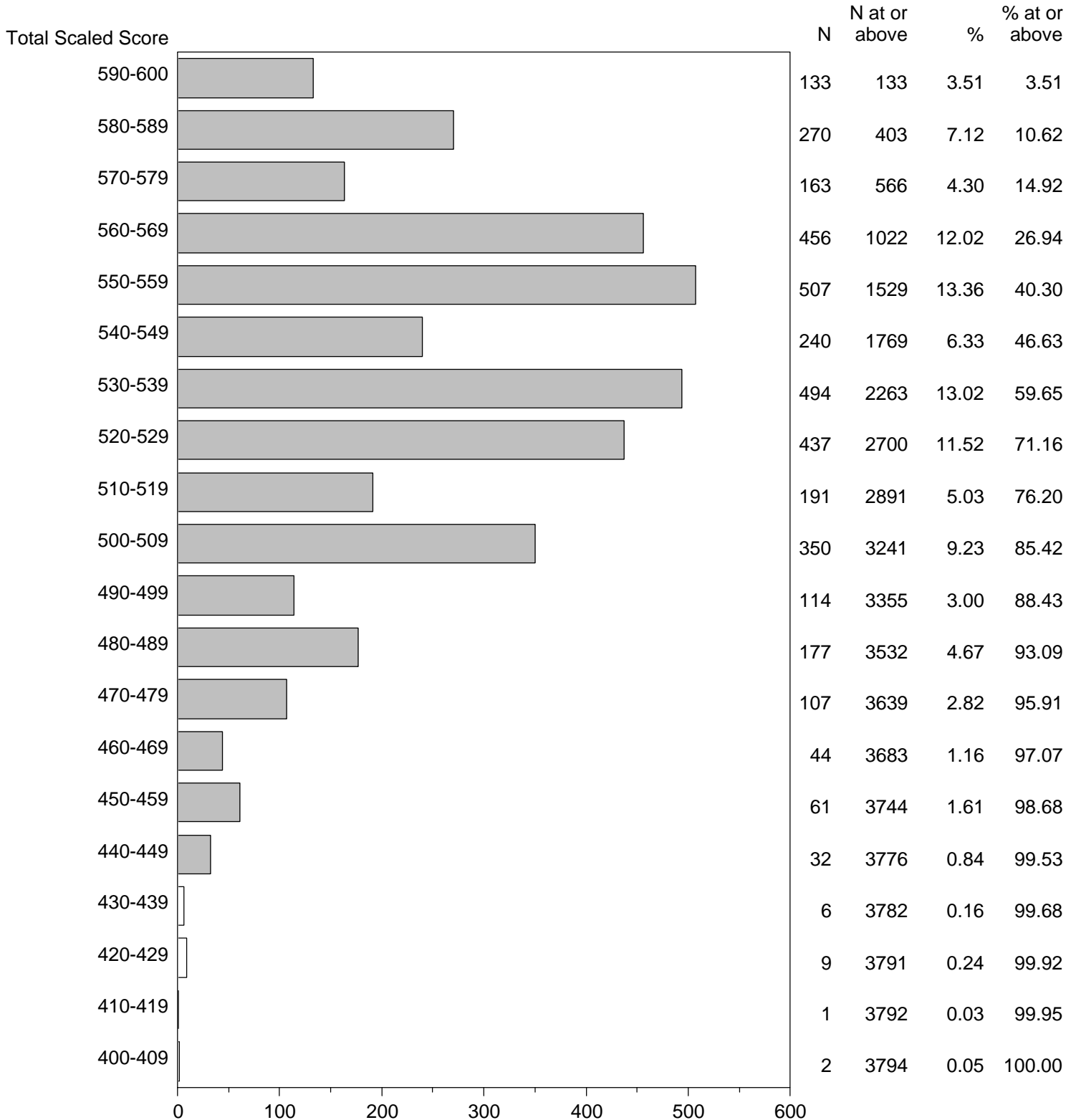


NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Minnesota Teacher Licensure Examinations (MTLE)
September 1, 2016 - August 31, 2017

TOTAL SCALED SCORE DISTRIBUTION BY TEST FIELD (ALL FORMS)

Test Field=190 MN NES Essential Academic Skills III: Mathematics



NOTE: The accompanying explanatory notes and interpretive cautions are an integral part of this report.

Appendix D:
Pass Rate Report for MTLE Test
Groups by Gender and Ethnicity

Interpretive Cautions and Notes

1. Pass rates are the percent of examinees achieving a total test scaled score of 240 on most MTLE tests and score of 520 on the Minnesota NES Essential Academic Skills Test.
2. This report provides pass rate information for MTLE test groups by gender and ethnicity. All demographic information is self-reported by the examinees during the registration process.
3. This report provides the following pass rate information for different groups of MTLE subtests by gender and ethnicity:
 - N – number of examinees who took a group of subtests in the specified time period
 - N Pass – number of examinees who passed a group of subtests in the specified time period
 - N Fail - number of examinees who failed a group of subtests in the specified time period
 - % Pass - percent of examinees who passed a group of subtests in the specified time period
4. All pass rates are based on best attempt, defined as the percent of candidates who achieved a score equal to or higher than the passing score during the reporting period. If there are multiple attempts in the program year, the highest retake score is used in the calculation of the pass rate.
5. Pass rates are calculated for groups with 25 or more candidates. Extreme caution should be used when interpreting data for a small number of candidates. The examinees for whom results are presented in this document may not reflect the same proportion of all the types and capabilities of examinees in the population who will take the tests in the future.
6. The following groups of tests are included in the tables that follow:

All MTLE Subtests:

1. Ag Education Sub 1
2. Ag Education Sub 2
3. Business Sub 1
4. Business Sub 2
5. Chemistry Sub 1
6. Chemistry Sub 2
7. Chinese (Mandarin) Sub 1

8. Chinese (Mandarin) Sub 2
9. Comm Arts/Lit Sub 1
10. Comm Arts/Lit Sub 2
11. Comp, Kboard & Rltd 1
12. Comp, Kboard & Rltd 2
13. Dance Sub 1
14. Dance Sub 2
15. Early Childhood Ed Sub 1
16. Early Childhood Ed Sub 2
17. Earth Space Science Sub 1
18. Earth Space Science Sub 2
19. Elementary Ed Sub 1
20. Elementary Ed Sub 2
21. Elementary Ed Sub 3
22. ESL Sub 1
23. ESL Sub 2
24. Fam & Consumer Sci Sub 1
25. Fam & Consumer Sci Sub 2
26. French Sub 1
27. French Sub 2
28. German Sub 1
29. German Sub 2
30. Health Sub 1
31. Health Sub 2
32. Inst & Vocal Music Sub 1
33. Instrumental Classroom Music
34. Library Media Spec Sub 1
35. Library Media Spec Sub 2
36. Life Science Sub 1
37. Life Science Sub 2
38. Mathematics Sub 1
39. Mathematics Sub 2
40. ML Comm Arts/Lit Sub 1
41. ML Comm Arts/Lit Sub 2

42. ML Math Sub 1
43. ML Math Sub 2
44. ML Science Sub 1
45. ML Science Sub 2
46. ML Social Studies Sub 1
47. ML Social Studies Sub 2
48. Pedagogy: Early Child 1
49. Pedagogy: Early Child 2
50. Pedagogy: Elem Sub 1
51. Pedagogy: Elem Sub 2
52. Pedagogy: Secondary Sub 1
53. Pedagogy: Secondary Sub 2
54. Phys Ed Sub 1
55. Phys Ed Sub 2
56. Physics Sub 1
57. Physics Sub 2
58. PrePrimary Sub 1
59. PrePrimary Sub 2
60. Reading Teacher Sub 1
61. Reading Teacher Sub 2
62. Social Studies Sub 1
63. Social Studies Sub 2
64. Spanish Sub 1
65. Spanish Sub 2
66. Spec Ed Core Skills Sub 1
67. Spec Ed Core Skills Sub 2
68. Technology Sub 1
69. Technology Sub 2
70. Theatre Sub 1
71. Theatre Sub 2
72. Visual Arts Sub 1
73. Visual Arts Sub 2
74. Vocal Classroom Music

All Pedagogy Subtests:

- 1 Pedagogy: Early Child 1
- 2 Pedagogy: Early Child 2
- 3 Pedagogy: Elem Sub 1
- 4 Pedagogy: Elem Sub 2
- 5 Pedagogy: Secondary Sub 1
- 6 Pedagogy: Secondary Sub 2

All Content Subtests:

- 1 Ag Education Sub 1
- 2 Ag Education Sub 2
- 3 Business Sub 1
- 4 Business Sub 2
- 5 Chemistry Sub 1
- 6 Chemistry Sub 2
- 7 Chinese (Mandarin) Sub 1
- 8 Chinese (Mandarin) Sub 2
- 9 Comm Arts/Lit Sub 1
- 10 Comm Arts/Lit Sub 2
- 11 Comp, Kboard & Rltd 1
- 12 Comp, Kboard & Rltd 2
- 13 Dance Sub 1
- 14 Dance Sub 2
- 15 Early Childhood Ed Sub 1
- 16 Early Childhood Ed Sub 2
- 17 Earth Space Science Sub 1
- 18 Earth Space Science Sub 2
- 19 Elementary Ed Sub 1
- 20 Elementary Ed Sub 2
- 21 Elementary Ed Sub 3
- 22 ESL Sub 1
- 23 ESL Sub 2
- 24 Fam & Consumer Sci Sub 1

- 25 Fam & Consumer Sci Sub 2
- 26 French Sub 1
- 27 French Sub 2
- 28 German Sub 1
- 29 German Sub 2
- 30 Health Sub 1
- 31 Health Sub 2
- 32 Inst & Vocal Music Sub 1
- 33 Instru Classroom Music
- 34 Library Media Spec Sub 1
- 35 Library Media Spec Sub 2
- 36 Life Science Sub 1
- 37 Life Science Sub 2
- 38 Mathematics Sub 1
- 39 Mathematics Sub 2
- 40 ML Comm Arts/Lit Sub 1
- 41 ML Comm Arts/Lit Sub 2
- 42 ML Math Sub 1
- 43 ML Math Sub 2
- 44 ML Science Sub 1
- 45 ML Science Sub 2
- 46 ML Social Studies Sub 1
- 47 ML Social Studies Sub 2
- 48 Phys Ed Sub 1
- 49 Phys Ed Sub 2
- 50 Physics Sub 1
- 51 Physics Sub 2
- 52 PrePrimary Sub 1
- 53 PrePrimary Sub 2
- 54 Reading Teacher Sub 1
- 55 Reading Teacher Sub 2
- 56 Social Studies Sub 1
- 57 Social Studies Sub 2
- 58 Spanish Sub 1

- 59 Spanish Sub 2
- 60 Spec Ed Core Skills Sub 1
- 61 Spec Ed Core Skills Sub 2
- 62 Technology Sub 1
- 63 Technology Sub 2
- 64 Theatre Sub 1
- 65 Theatre Sub 2
- 66 Visual Arts Sub 1
- 67 Visual Arts Sub 2
- 68 Vocal Classroom Music

All MN NES EAS Subtests:

- 1 MN NES EAS Mathematics
- 2 MN NES EAS Reading
- 3 MN NES EAS Writing

All NES EAS Subtests:

- 1. NES EAS Mathematics
- 2. NES EAS Reading
- 3. NES EAS Writing

Confidential

*Percent Passing All MTLE Subtests by Gender and Ethnicity
September 1, 2016 - August 31, 2017*

	N	N Pass	N Fail	% Pass
All MTLE Subtests	34,479	29,930	4,549	86.8%
No response	317	277	36	88.5%
Male	7,809	6,733	1,076	86.2%
Female	26,353	22,916	3,437	87.0%
African American/Black (not of Hispanic origin)	1,366	810	556	59.3%
American Indian or Alaskan Native	212	167	45	78.8%
Asian or Pacific Islander	1,190	892	298	75.0%
Hispanic	1,020	705	315	69.1%
White (not of Hispanic origin)	29,060	26,005	3,055	89.5%
Multiracial	555	474	81	85.4%
Other	336	239	97	71.1%
Undeclared	740	638	102	86.2%

The accompanying interpretive notes page is an integral part of this table.

Confidential

***Percent Passing All Pedagogy Subtests by Gender and Ethnicity
September 1, 2016 - August 31, 2017***

	N	N Pass	N Fail	% Pass
All Pedagogy Subtests	8,426	8,083	343	95.9%
No response	86	84	2	97.7%
Male	1,933	1,830	103	94.7%
Female	6,407	6,169	238	96.3%
African American/Black (not of Hispanic origin)	243	190	53	78.2%
American Indian or Alaskan Native	45	40	5	88.9%
Asian or Pacific Islander	256	221	35	86.3%
Hispanic	228	187	41	82.0%
White (not of Hispanic origin)	7,244	7,057	187	97.4%
Multiracial	146	142	4	97.3%
Other	73	67	6	91.8%
Undeclared	191	179	12	93.7%

Confidential

***Percent Passing All Content Subtests by Gender and Ethnicity
September 1, 2016 - August 31, 2017***

	N	N Pass	N Fail	% Pass
All Content Subtests	14,599	12,906	1,693	88.4%
No response	132	119	13	90.2%
Male	3,044	2,647	397	87.0%
Female	11,423	10,140	1,283	88.8%
African American/Black (not of Hispanic origin)	427	262	165	61.4%
American Indian or Alaskan Native	81	63	18	77.8%
Asian or Pacific Islander	430	347	83	80.7%
Hispanic	352	244	108	69.3%
White (not of Hispanic origin)	12,676	11,454	1,222	90.4%
Multiracial	214	185	29	86.4%
Other	126	95	31	75.4%
Undeclared	293	256	37	87.4%

The accompanying interpretive notes page is an integral part of this table.

Confidential

***Percent Passing All MN NES EAS Subtests by Gender and Ethnicity
September 1, 2016 - August 31, 2017***

	N	N Pass	N Fail	% Pass
All MN NES EAS Subtests	10,565	8,374	2,191	79.3%
No response	95	74	21	77.9%
Male	2,613	2,125	488	81.3%
Female	7,857	6,175	1,682	78.6%
African American/Black (not of Hispanic origin)	621	326	295	52.5%
American Indian or Alaskan Native	82	61	21	74.4%
Asian or Pacific Islander	475	312	163	65.7%
Hispanic	418	264	154	63.2%
White (not of Hispanic origin)	8,432	7,015	1,417	83.2%
Multiracial	177	136	41	76.8%
Other	122	70	52	57.4%
Undeclared	238	190	48	79.8%

The accompanying interpretive notes page is an integral part of this table.

Confidential

*Percent Passing All NES EAS Subtests by Gender and Ethnicity
September 1, 2016 - August 31, 2017*

	N	N Pass	N Fail	% Pass
All NES EAS Subtests	889	567	322	63.8%
Male	219	131	88	59.8%
Female	666	432	234	64.9%
No response	4	--	--	--
African American/Black (not of Hispanic origin)	75	32	43	42.7%
American Indian or Alaskan Native	4	--	--	--
Asian or Pacific Islander	29	12	17	41.4%
Hispanic	22	--	--	--
White (not of Hispanic origin)	708	479	229	67.7%
Multiracial	18	--	--	--
Other	15	--	--	--
Undeclared	18	--	--	--

Developed and Produced by



Pearson

Evaluation Systems

P.O. Box 226

Amherst, Massachusetts 01004