

# normative data on seguin form board test Academic PDF

## Normative Data on Seguin Form Board Test: An In-Depth Overview

**Normative data on Seguin Form Board Test** is a crucial aspect for clinicians, educators, and researchers involved in assessing visual-motor integration, perceptual skills, and cognitive functioning, especially among children. The Seguin Form Board Test, developed by Dr. Alfred Seguin in the early 20th century, is a standardized tool designed to evaluate a child's ability to recognize and match geometric shapes, fostering an understanding of visual discrimination and fine motor skills. As with any assessment instrument, establishing normative data ensures that test results can be accurately interpreted relative to a representative population, facilitating the identification of developmental delays, learning disabilities, or other neurological concerns.

## Understanding the Seguin Form Board Test

### Historical Background and Purpose

The Seguin Form Board Test was originally created to aid occupational therapists and educators in evaluating a child's ability to recognize and match different geometric forms. It is particularly useful for assessing children with developmental disabilities, learning difficulties, or neurological impairments. The test involves presenting children with a series of geometric shapes and a board with corresponding cut-outs, requiring them to match each shape to its appropriate slot.

### Components and Procedure

- **Materials:** A wooden or plastic board with various geometric cut-outs (circle, square, triangle, etc.) and corresponding shape blocks.
- **Administration:** The child is asked to insert each shape into its matching hole on the board, often within a specified time frame.
- **Scoring:** Performance is usually measured based on accuracy (number of correct matches), time taken, and sometimes the child's approach or strategy used during the task.

### Applications of the Test

- Assessing visual discrimination skills

- Evaluating fine motor coordination
- Monitoring developmental progress over time
- Identifying children with perceptual or cognitive delays

## The Importance of Normative Data in the Seguin Form Board Test

### What Is Normative Data?

Normative data refers to performance benchmarks derived from a representative sample of the population. These benchmarks enable practitioners to compare an individual child's test results to typical performance levels for children of the same age, gender, or developmental stage. The primary goal of normative data is to distinguish between typical and atypical development, guiding diagnosis and intervention strategies.

### Why Is Normative Data Essential?

- **Accurate Interpretation:** Provides context to assess whether a child's performance falls within normal limits.
- **Early Identification:** Helps detect developmental delays or learning disabilities at an early stage.
- **Tracking Progress:** Allows for monitoring improvements or setbacks over time.
- **Research and Validation:** Ensures the test's reliability and validity across different populations.

## Normative Data on the Seguin Form Board Test: Current Evidence and Findings

### Age-Related Normative Data

Numerous studies have established normative performance ranges for various age groups, typically from preschool age through early adolescence. The data generally show a progressive increase in accuracy and speed with age, reflecting developmental maturation of visual and fine motor skills.

- **Preschool Children (3-5 years):** Performance varies widely; many children may make errors or take longer to complete the task.
- **Early School Age (6-8 years):** Significant improvement observed, with most children achieving high accuracy scores.
- **Older Children and Adolescents (9-12 years):** Performance stabilizes at near-adult levels, with high accuracy and quick completion times.

## Gender and Socioeconomic Factors

Research indicates that normative performance does not significantly differ between genders in most age groups. However, socioeconomic status, educational background, and exposure to activities that promote fine motor skills can influence performance. Therefore, normative data should ideally be stratified by these factors when possible.

## Population-Specific Norms

Normative data may vary across different populations due to cultural, linguistic, or educational differences. For example, children from urban settings with access to early childhood education may perform differently than those from rural areas. Thus, localized normative datasets are valuable for accurate assessment in diverse contexts.

## Methodologies for Establishing Normative Data

### Sample Selection

To develop reliable normative data, large and representative samples are essential. The sample should include children from various backgrounds, ages, and developmental stages, ensuring diversity in socioeconomic status, ethnicity, and educational experiences.

### Data Collection Procedures

Standardized administration protocols must be followed to minimize variability. Test administrators should be trained thoroughly, and testing conditions should be consistent across all participants.

### Statistical Analysis

- Calculating mean scores, standard deviations, and percentile ranks for each age group.
- Determining cutoff scores for typical vs. atypical performance.
- Analyzing the influence of demographic variables on performance.

## Interpreting Seguin Form Board Test Scores Using Normative Data

### Score Categories

Based on normative data, scores are often categorized as:

- **Within Normal Limits:** Performance consistent with age-matched peers.
- **Below Normal:** Performance significantly lower than peers, indicating potential developmental concerns.
- **Above Normal:** Performance exceeding typical expectations, possibly reflecting advanced perceptual or motor skills.

## Practical Considerations

- Always consider the child's overall developmental profile.
- Use normative comparisons as a guide, not an absolute determinant.
- Combine test results with other assessments for comprehensive evaluation.

## Limitations and Challenges in Using Normative Data

### Sample Diversity and Size

Limited sample sizes or lack of diversity can affect the accuracy and generalizability of normative data. Ensuring large, diverse samples remains a challenge in many studies.

### Test Administration Variability

Differences in how the test is administered, including examiner experience and environmental factors, can influence performance, potentially skewing normative benchmarks.

### Cultural and Educational Influences

Cultural differences may affect familiarity with geometric shapes or test-taking behaviors, which can impact normative comparisons. Adjustments or localized norms are often necessary.

## Future Directions and Recommendations

### Standardization and Large-Scale Studies

Encouraging the development of large-scale normative datasets across diverse populations will improve the utility and accuracy of the Seguin Form Board Test.

### Integration with Modern Assessments

Combining traditional tools like the Seguin Form Board Test with digital assessments or other standardized measures can provide a more comprehensive picture of a child's perceptual and motor

skills.

## Continued Research

Ongoing research into factors influencing performance, including neurodevelopmental conditions, will refine normative data and improve diagnostic precision.

## Conclusion

Normative data on the Seguin Form Board Test serve as an essential foundation for meaningful assessment and interpretation of a child's visual-motor integration and perceptual skills. While existing data offer valuable benchmarks across various age groups and populations, ongoing efforts to expand, refine, and contextualize normative datasets are vital. Accurate normative information not only enhances diagnostic accuracy but also informs targeted interventions, ultimately supporting better developmental outcomes for children worldwide.

### Normative Data on Seguin Form Board Test

The Seguin Form Board Test is a widely recognized assessment tool used primarily to evaluate visual-motor integration, perceptual skills, and spatial reasoning in children. As an established instrument in pediatric neuropsychology and occupational therapy, understanding its normative data is crucial for accurately interpreting individual performance relative to typical developmental milestones. Normative data provide benchmarks that allow clinicians to determine whether a child's performance falls within expected ranges or indicates potential developmental concerns. This comprehensive review explores the normative data available for the Seguin Form Board Test, its development, application, and implications for practice.

## Introduction to the Seguin Form Board Test

### Overview of the Test

The Seguin Form Board Test, developed by Dr. Alfred Seguin in the early 20th century, is designed to assess a child's ability to recognize and match geometric shapes with corresponding cutouts on a board. The task requires fine motor control, visual discrimination, spatial reasoning, and hand-eye coordination. The child is presented with a set of geometric shapes and asked to insert each piece into its matching hole on the board.

### Purpose and Use

The test serves multiple purposes:

- Evaluating visual-motor integration skills
- Identifying perceptual deficits
- Monitoring developmental progress
- Planning targeted interventions for children with developmental delays or neurological impairments

## Development of Normative Data for the Seguin Form Board Test

### Historical Background

The initial normative data for the Seguin Form Board Test were established through early observational studies and clinical applications in the early 20th century. These early studies aimed to differentiate typical developmental milestones from atypical patterns in young children.

### Modern Efforts in Normative Data Collection

Recent endeavors to create standardized normative data involve large-scale, cross-sectional studies encompassing diverse populations. These studies assess performance across different age groups, genders, and socioeconomic backgrounds to establish age-appropriate benchmarks.

### Sample Populations and Methodologies

- Large sample sizes (often several hundred to thousands of children)
- Stratified sampling to ensure demographic diversity
- Standardized administration protocols
- Use of age-specific scoring metrics

## Normative Data Structures and Benchmarks

### Age-Related Norms

Normative data for the Seguin Form Board Test are typically stratified into age groups, reflecting developmental progression:

- 2 to 3 years
- 3 to 4 years
- 4 to 5 years
- 5 to 6 years
- 6 to 7 years

Within each age group, performance is characterized by:

- Mean scores (average number of correctly matched shapes)
- Standard deviations
- Percentile ranks

These metrics allow clinicians to interpret a child's score relative to peers.

Performance Indicators

Normative data often include:

- Raw scores: number of shapes correctly matched
- Standard scores: standardized metrics adjusting for age
- Percentile ranks: percentage of peers performing below the child's score

Sample Normative Data (Hypothetical Example)

| Age Group | Mean Score | Standard Deviation | 25th Percentile | 50th Percentile | 75th Percentile |

|-----|-----|-----|-----|-----|-----|

| 2-3 years | 4.2 | 1.1 | 3 | 4 | 5 |

| 3-4 years | 6.5 | 1.3 | 5 | 7 | 8 |

| 4-5 years | 8.2 | 1.4 | 7 | 8 | 9 |

| 5-6 years | 9.5 | 1.2 | 8 | 10 | 11 |

| 6-7 years | 10.2 | 1.0 | 9 | 10 | 11 |

Features of Normative Data for the Seguin Form Board Test

- **Age-specific benchmarks:** Norms are tailored to developmental stages to ensure accurate interpretation.
- **Percentile rankings:** Facilitate quick understanding of a child's relative performance.
- **Standard scores:** Enable comparison across different populations and settings.

- **Normative ranges:** Define what constitutes typical versus atypical performance.

## Applications of Normative Data in Practice

### Clinical Assessment and Diagnosis

Clinicians utilize normative data to determine whether a child's performance aligns with age expectations. For instance, a 4-year-old scoring below the 25th percentile may warrant further evaluation for perceptual or motor difficulties.

### Intervention Planning

Normative benchmarks help occupational therapists and educators tailor intervention strategies. If a child's score indicates delays, targeted activities can be designed to improve visual-motor integration.

### Monitoring Developmental Progress

Repeated assessments against normative data allow tracking of a child's growth over time, evaluating the effectiveness of interventions.

## Limitations and Challenges in Normative Data

- **Cultural and Socioeconomic Factors:** Norms may not fully account for cultural differences in play and learning experiences.
- **Sample Diversity:** Many normative studies lack sufficient representation of minority or underserved populations.
- **Test Standardization:** Variations in test administration can influence scores, emphasizing the need for strict adherence to protocols.
- **Age Range Limitations:** Normative data are often limited to specific age ranges, restricting interpretation in very young or older children.

## Emerging Trends and Future Directions

### Digital and Computer-Based Norms

Advances in technology are leading to digital adaptations of the Seguin Form Board Test, with normative data being developed for electronic formats, which can enhance standardization and scoring accuracy.

## Cross-Cultural Norms

Efforts are underway to develop culturally sensitive normative data, ensuring the test's applicability across diverse populations.

## Integration with Other Assessments

Normative data are increasingly being integrated with other developmental measures for comprehensive evaluation frameworks.

## Conclusion

The availability of robust normative data on the Seguin Form Board Test plays a vital role in its utility as a diagnostic and developmental tool. These data provide essential benchmarks that enable clinicians and researchers to interpret individual scores accurately, identify developmental delays, and plan appropriate interventions. While current normative data are comprehensive, ongoing research aims to enhance their cultural relevance, standardization, and technological integration. Clinicians should remain aware of the limitations and continually update their knowledge base to ensure accurate, equitable, and effective assessments for children across diverse backgrounds.

In summary, normative data on the Seguin Form Board Test serve as the foundation for meaningful interpretation of test results. They facilitate early detection of perceptual and motor difficulties, guide intervention strategies, and contribute to understanding typical developmental trajectories. As research progresses, the refinement and expansion of normative datasets will further enhance the test's clinical utility, ensuring that it remains a relevant and valuable tool in pediatric assessment.

**Question** What is the purpose of normative data on the Seguin Form Board Test? Normative data on the Seguin Form Board Test provides benchmarks to assess an individual's visual-motor integration skills relative to a specific age group, aiding in identifying developmental delays or strengths. **Answer** How is normative data for the Seguin Form Board Test typically collected? Normative data is collected by administering the test to a large, representative sample of children across various age groups, then analyzing the results to establish average performance scores and standard deviations. What age range is most commonly covered by normative data for the Seguin Form Board Test? Normative data for the Seguin Form Board Test generally covers children from preschool age (around 3 years) up to early elementary years (around 7 years), depending on the study or standardization sample. Why is it important to use age-specific normative data when interpreting Seguin Form Board Test results? Age-specific normative data is essential because visual-motor skills develop rapidly during childhood; comparing a child's performance to age-matched norms ensures accurate assessment of their developmental progress. Are there any recent updates or revisions to the normative data for the Seguin Form Board Test? Recent updates to normative data are limited, but researchers and clinicians should refer to the latest published

standardization studies or manuals to ensure they use current and relevant norms for accurate assessment. How can clinicians access normative datasets for the Sequin Form Board Test? Clinicians can access normative datasets through official test manuals, published research articles, or professional psychology and occupational therapy organizations that provide standardized testing resources.

**Related keywords:** sequin form board test, normative standards, visual-motor integration, developmental assessment, pediatric neuropsychology, visuospatial skills, standardized testing, cognitive development, motor coordination, neurodevelopmental norms

## Nwea Map Norms 2012 Normative

**nwea map norms 2012 normative** serve as a crucial benchmark for educators and school administrators seeking to interpret and utilize assessment data effectively. The NWEA MAP (Measures of Academic Progress) assessments are widely used to monitor student growth, identify learning gaps, and tailor instruction. The 2012 normative data provides a standardized reference point, enabling educators to compare individual student scores against a representative population and make informed decisions about instruction and intervention.

Understanding the NWEA MAP norms from 2012 is particularly important for educators working with historical data or transitioning between different testing periods. This article explores the key aspects of the 2012 normative data, how it is used in practice, and best practices for interpreting MAP scores within this framework.

## What Are NWEA MAP Norms 2012 Normative Data?

NWEA MAP norms from 2012 refer to the standardized scores derived from a large, representative sample of students who took the assessments around that year. Normative data provides a basis for comparing an individual student's performance to that of their peers nationally or regionally.

## Purpose of the 2012 Normative Data

The primary purpose of the 2012 normative data was to establish a baseline for interpreting MAP assessment scores. It allows educators to:

- Determine how a student's performance compares to the average student at their grade level.
- Track student growth over time by comparing current scores to the normative sample.

- Identify students who may need additional support or advanced opportunities.

## Scope of the 2012 Normative Sample

The normative sample used for the 2012 data was extensive, including thousands of students across various grade levels, geographic regions, and demographic backgrounds. This diversity ensures that the norms are representative and applicable to a broad student population.

## Understanding MAP Norms and Score Types

The NWEA MAP assessment provides several types of scores based on the normative data, each serving different purposes.

### Percentile Ranks

Percentile ranks indicate the percentage of students in the normative sample who scored lower than a given student. For instance, a percentile rank of 75 means the student scored higher than 75% of their peers.

### RIT Scores

The RIT (Rasch Unit) score is an equal-interval scale measuring student achievement. RIT scores are useful for tracking growth over time because they are consistent across grade levels.

### Standard Scores and Stanines

While less common in recent years, standard scores and stanines can also be derived from normative data for specific purposes.

## Using 2012 Norms to Interpret Student Data

Interpreting MAP scores within the context of 2012 normative data involves understanding where a student stands relative to their peers and what that implies for instruction.

### Benchmarking and Growth Monitoring

Using the percentile ranks and RIT scores from the 2012 norms, educators can:

- Identify whether a student is performing below, at, or above grade-level expectations.
- Assess year-to-year growth by comparing current RIT scores to previous scores aligned with

2012 norms.

- Set realistic, data-driven goals for student achievement.

## Identifying Learning Gaps and Strengths

Normative data helps teachers pinpoint areas where students excel or struggle relative to their peers, facilitating targeted interventions.

## Limitations and Considerations of 2012 Normative Data

While the 2012 normative data provides valuable insights, there are limitations to consider.

### Changes in Demographics and Curriculum

Since 2012, student populations and curricula may have evolved, potentially affecting the applicability of the norms.

### Updates and New Norms

NWEA periodically updates its normative data to reflect current student populations. Educators should be aware of whether they are using outdated norms or more recent data for accurate interpretation.

### Variability Across Regions and Demographics

Norms may not fully account for regional or demographic differences, so interpretation should be contextualized accordingly.

## Best Practices for Using NWEA MAP Norms 2012 Normative Data

Proper utilization of normative data enhances the effectiveness of assessment-driven instruction.

### Integrate Norms with Instructional Goals

Use the normative data to inform curriculum planning, ensuring instruction aligns with student needs relative to their peers.

### Combine Normative and Criterion-Referenced Data

While normative data compares students to peers, criterion-referenced data assesses mastery of specific skills. Combining both provides a comprehensive picture.

## Regularly Update and Review Normative Data

Stay current with the latest normative updates to ensure accurate benchmarking and goal setting.

## Consider Individual Student Context

Always interpret scores within the broader context of a student's background, language, and special needs.

## Conclusion

The **nwea map norms 2012 normative** serve as a foundational tool for educators aiming to understand student achievement in a standardized, comparative framework. Although newer norms have been released, understanding the 2012 data remains relevant, especially when analyzing historical assessment data or for districts that have not yet transitioned to newer normative datasets. By effectively interpreting percentile ranks, RIT scores, and other metrics within the 2012 normative context, educators can better identify student strengths, address learning gaps, and tailor instruction to promote academic success. As with all assessment data, it is essential to consider the limitations and to complement normative insights with ongoing formative assessments and contextual understanding for a holistic approach to student growth and achievement.

### NWEA MAP Norms 2012 Normative: An In-Depth Analysis and Review

The NWEA MAP Norms 2012 Normative data set stands as a pivotal resource for educators, administrators, and researchers aiming to interpret assessment results accurately and fairly. By providing a comprehensive reference framework, these norms facilitate the comparison of individual student scores against a normative sample, enabling educators to identify student growth, set realistic goals, and tailor instruction effectively. This article explores the intricacies of the 2012 normative data, highlighting its features, applications, strengths, and limitations to assist stakeholders in making informed decisions about its use.

## Understanding NWEA MAP Norms 2012 Normative Data

### What Are MAP Norms?

NWEA's Measures of Academic Progress (MAP) assessments are adaptive tests administered multiple times a year to gauge students' proficiency levels across subjects such as math, reading, language usage, and science. The normative data set is a compilation of test scores from a representative sample of students across various grade levels, ages, and demographics collected in a specific year—in this case, 2012.

The 2012 normative data provides percentile ranks, scaled scores, and other statistical benchmarks that help educators interpret student performance relative to a broad, standardized population. It essentially answers the question: ?How does this student?s score compare to peers nationally or regionally??

## **Purpose of the 2012 Normative Data**

- To offer a reference point for comparing individual student scores.
- To track student progress over time within a normative framework.
- To inform instructional planning and intervention strategies.
- To facilitate data-driven decision-making at school, district, or state levels.

## **Development and Methodology of the 2012 Norms**

### **Data Collection and Sampling**

The 2012 normative sample was derived from a large, diverse population of students who took the MAP assessments during the 2011-2012 school year. The sample aimed to be representative across key demographics:

- Geographic regions
- Socioeconomic backgrounds
- Ethnicities
- Grade levels

This ensures that the norms are applicable across various populations, enhancing their validity.

### **Statistical Techniques Used**

The development of the normative data involved complex statistical procedures:

- Selection of representative samples.
- Calculation of percentile ranks.
- Establishment of scaled scores that maintain consistency across testing administrations.
- Analysis of score distributions to identify typical performance ranges.

These methods ensure that the norms reflect a realistic distribution of student performance.

## Limitations of the 2012 Norms

- The data reflects the student population during 2011-2012; demographic shifts over time may reduce current relevance.
- Changes in curriculum standards or assessment formats after 2012 are not accounted for.
- The norms may not fully capture regional or district-specific variations.

## Features and Components of the 2012 Normative Data

### Percentile Ranks

The core feature of the normative data is the percentile rank, which indicates the percentage of students in the normative sample who scored below a particular score. For example, a student at the 75th percentile scored higher than 75% of peers.

Features:

- Easy to interpret.
- Useful for setting achievement benchmarks.
- Facilitates goal-setting and progress monitoring.

Limitations:

- Percentile ranks do not indicate the absolute level of mastery.
- Can be affected by the distribution of scores in the normative sample.

### Scaled Scores

Scaled scores are standardized scores that account for test difficulty and are consistent across administrations.

Features:

- Allow for comparison across different test forms.
- Provide a stable metric for tracking growth over time.

Limitations:

- May not directly translate to grade-level expectations without contextual interpretation.

## Performance Categories

The norms often categorize student performance into levels such as Below Basic, Basic, Proficient, and Advanced based on scaled scores and percentiles.

Features:

- Simplifies interpretation.
- Aids in identifying students needing additional support.

Limitations:

- Categories may oversimplify complex performance nuances.
- Thresholds may vary regionally or according to district policies.

## Applications of NWEA MAP Norms 2012

### Formative Assessment and Instruction

Teachers utilize the normative data to:

- Identify students performing below or above average.
- Set personalized learning goals.
- Adjust instructional strategies based on normative benchmarks.

### Summative Evaluation and Accountability

Districts and policymakers employ the norms for:

- Measuring overall student achievement trends.
- Evaluating the effectiveness of curricula.
- Making data-driven decisions for resource allocation.

### Research and Policy Development

Researchers analyze normative data to:

- Study educational disparities.
- Develop targeted interventions.
- Inform policy at local, state, and national levels.

## Pros and Cons of Using 2012 Normative Data

### Pros

- Historical Benchmarking: Provides a baseline for longitudinal studies.
- Standardization: Ensures consistency across testing administrations.
- Ease of Interpretation: Percentiles and scaled scores are familiar and accessible.
- Comprehensive Data Set: Large sample size enhances reliability.

### Cons

- Outdated Data: May not reflect current student populations or curriculum standards.
- Limited Relevance to Current Context: Demographic and educational shifts since 2012 reduce applicability.
- Potential Cultural Bias: Norms may not fully account for diverse backgrounds.
- Changes in Test Format: Variations in test design post-2012 can affect comparability.

## Critical Evaluation and Recommendations

While the NWEA MAP Norms 2012 Normative provide a valuable reference framework, users should be cautious about their application beyond the context of the data collection period. For current assessments, it is advisable to utilize the most recent normative datasets to ensure relevance and accuracy.

Furthermore, normative data should complement, not replace, formative and diagnostic assessments tailored to individual student needs. Educators are encouraged to interpret normative percentiles alongside curriculum standards, classroom observations, and other performance indicators for a holistic understanding of student achievement.

## Conclusion

The NWEA MAP Norms 2012 Normative dataset remains an important milestone in educational

assessment, offering a structured way to interpret student scores within a normative framework. Its comprehensive development process and features like percentile ranks and scaled scores make it a useful tool for educators seeking to understand student performance relative to a broad population. However, with the evolution of educational standards and demographics, reliance solely on the 2012 norms may limit accuracy and relevance. Therefore, ongoing updates and contextual interpretation are essential to maximize the benefits of normative data in fostering student growth and improving educational outcomes.

## Final Thoughts

In leveraging the 2012 normative data, users should balance its historical insights with current data, contextual factors, and pedagogical best practices. When used appropriately, it can significantly aid in setting realistic goals, tracking progress, and informing instruction, ultimately supporting the overarching goal of equitable and effective education for all students.

**Question** What are NWEA MAP norms for the year 2012? The 2012 NWEA MAP norms provide percentile rankings and performance benchmarks based on student scores to help educators interpret MAP assessment results within that year's context. How are NWEA MAP 2012 normative data used in educational settings? They are used to compare student performance against a representative national sample, identify student growth over time, and inform instructional decisions based on percentile ranks and standard scores. What is the significance of the 2012 MAP normative data for educators? The 2012 norms serve as a benchmark for evaluating student achievement, setting goals, and tracking progress relative to peers during that academic year. How do NWEA MAP norms from 2012 differ from current norms? 2012 norms are based on data collected during that year, and newer norms reflect changes in student populations and educational standards; thus, they may be less applicable for current assessments. Can I use the 2012 NWEA MAP norms for current student assessments? It is generally not recommended, as norms are updated periodically to reflect current student populations; using the most recent norms ensures more accurate interpretation of assessment results. Where can I find the official 2012 NWEA MAP normative tables? Official normative tables from 2012 can typically be found in NWEA's archived reports, assessment manuals, or through district or school records that retained historical data from that year.

**Related keywords:** NWEA MAP norms, 2012 MAP normative data, MAP assessment norms, NWEA MAP score interpretation, MAP growth norms 2012, standardized testing norms, NWEA MAP percentile ranks, MAP score benchmarks, academic achievement norms, NWEA MAP scoring standards

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