



Lunch & Learn: Introduction to Psymark- The First Ever Digital Visual-Motor Progress Monitoring Tools
presented by Karen Silberman, Ed.D., LEP and Dana Khudaverdyan, Ed.D., LEP - March 26, 2024



**Introduction to Psymark:
The FIRST EVER Digital
Visual-Motor Progress Monitoring Tools**






Today's Webinar

Discover a groundbreaking leap in progress monitoring with Psymark, the first-ever digital solution for tracking visual-motor skills in the formation of shapes, numbers and letters. With quick and easy administration in any setting, self-scoring in minutes, and compatibility with most iPad generations, Psymark is a game-changer in assessing basic and functional visual-motor skills.

This webinar provides an introduction to Psymark's revolutionary progress monitoring assessment tools including the administration process and self-scoring. We will also share the multiple contexts in which Psymark solutions can be used to enhance your assessment and practice.

P2



Learning Objectives
Participants will:

1. Become familiar with the Psymark Visual-Motor Progress Monitoring (VMP) assessment tools: VMP Shapes, VMP Letters, and VMP Numbers.
2. Understand how to administer the digital assessment tools quickly & easily to gain objective scoring on multiple variables within minutes, including graphs and a progress monitoring chart.
3. Become familiar with how the assessments can be beneficial in multiple contexts (i.e. school based, clinic, etc.)

Poll

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What is Psymark?

- Digital Visual-Monitoring Assessment Tools on an iPad offering Progress Monitoring
- Started by a Group of School Psychologists, Educators and Researchers

Who is Psymark?


Psymark was started by a small team of school psychologists, educators and researchers who recognized the need for digital tools for visual-motor progress monitoring, and the promise of using computerized objective measures in identifying needs, creating personalized interventions, and objectively monitoring the effectiveness of those interventions.

Authors' Bio


Karen Silberman, Ed.D., LEP: Dr. Karen Silberman leads the team at Psymark after an extensive career in education serving as a teacher, school psychologist and special education director. Karen has presented at numerous conferences including AOTA, NASP, and CASP. As the mother of a child who struggled with visual-motor issues, she has an enhanced understanding of how visual-motor problems can impact families of children with learning differences.


Dana Khudaverdyan, Ed.D., LEP: For the past 20+ years, Dana has worked to promote meaningful outcomes for individuals with learning differences and other life impacting conditions. She has presented at professional conferences, served as president of the Foothill Association of School Psychologists, and conducted research aimed at advancing assessment and practice. Dana is a school psychologist by training, licensed educational psychologist, special education program specialist, test developer and founding partner of Psymark.

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First Ever Digital Visual-Motor Progress Monitoring Tools






Visual Motor Integration

- Eye - Hand Coordination
- Complex Skill Set Encompassing
 - Visual Perception
 - Motor Control
 - Communication between Brain and Spinal Cord
 - Electrical Impulses to Extremities
- Can be damaged due to:
 - Disease
 - Trauma
 - Conditions

Visual-Motor



The ability to perceive visual input, process the information, and coordinate a motor response. VMI skills encompass eye-hand coordination, praxis, visual perceptual skills, gross motor coordination, and fine motor coordination. The ability to control hand movements through vision is necessary for a multitude of academic and nonacademic endeavors (Carson et al. 2021).

- Visual-motor deficits are associated with a wide variety of disorders, including learning disabilities, autism, Parkinson's disease, Alzheimer's disease, Traumatic Brain Injury, ADHD, and others (Fall et al., 2019) Visual-motor processing has long been understood as a key domain of functioning for students' educational progress, implicated in disorders of reading fluency, reading comprehension, and writing, particularly for students with learning disabilities (Tremblay et al., 2014)
- The assessment of visual-motor assessment has historically relied on pencil-and-paper measures such as the Beery-Bukenica Developmental Test of Visual-Motor Integration (VMI) (Beery, 2006) and the Developmental Test of Visual Perception, 2nd Edition (DTVP-2) (Hamill et al., 1993).


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Current Progress Monitoring

"Little guidance is available to assist [the evaluator]* in judging whether an accommodation for a particular student is both appropriate and reasonable." Mather, N., Wendling, B., and Roberts, R. (2009)

*brackets added

Psymark



Poll: "Do You Typically Test Visual Motor Progress?"

Current Progress Monitoring


- Pencil and Paper
- Informal Evaluation
- Subjectivity
- Analysis following Production
- Scoring by Hand
- Checklists
- Eyeballing



Psymark Visual-Motor Progress Monitoring

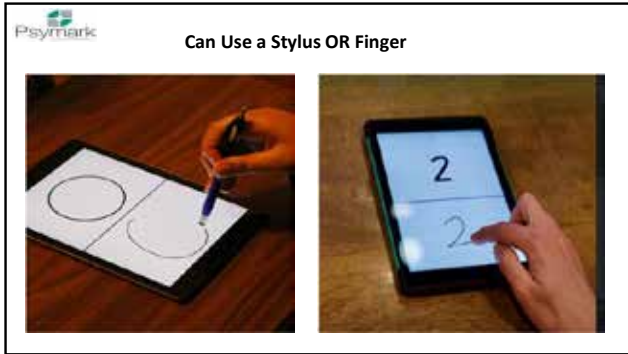
- Quick & Easy to Administer
- Dynamic (captures performance in real time)
- Self-Scoring & Objective
- Looks at Multiple Features (Sizing, Speed, Rotation, Variability)
- Informs Targeted Interventions
- Objective Data for IEPs (Baseline, Goals, Interventions)
- Charts and Graphs
- Motivating
- Ages 2 - 99

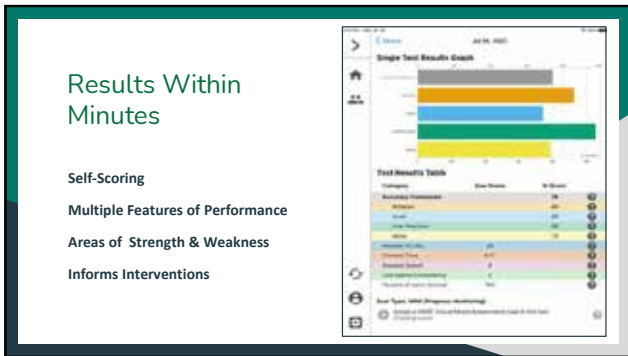
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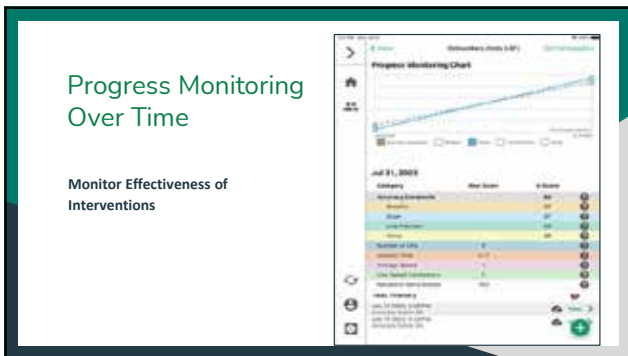


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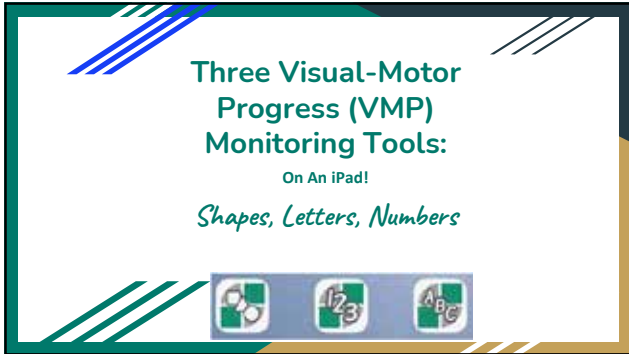
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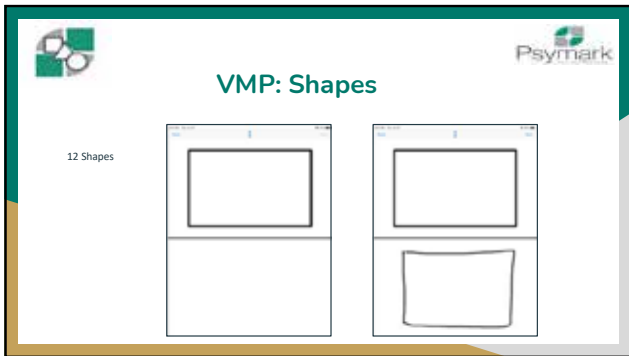






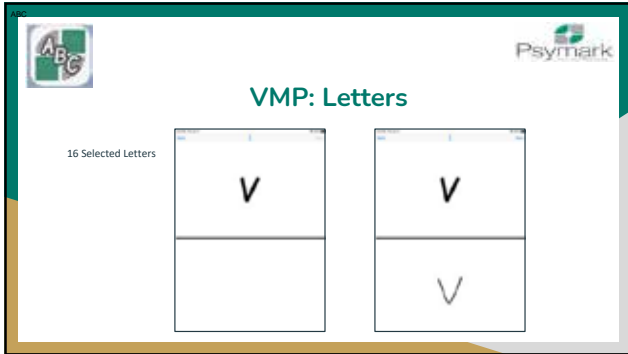
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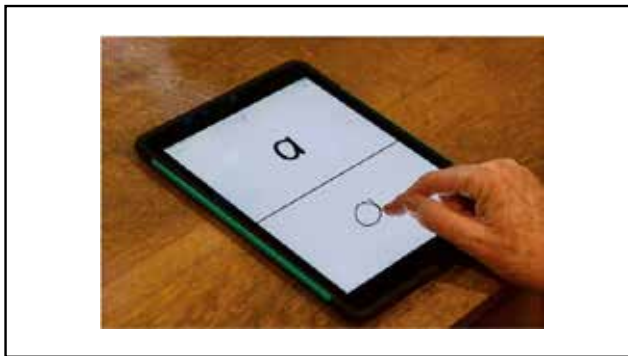


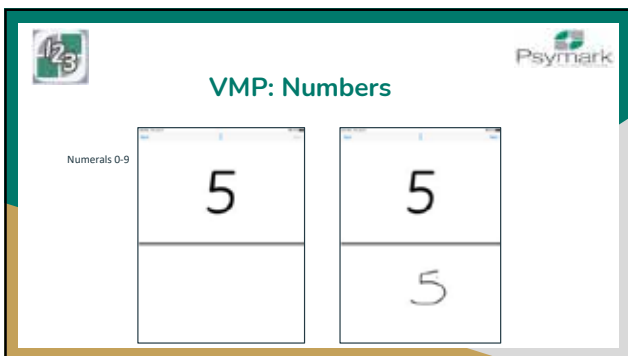




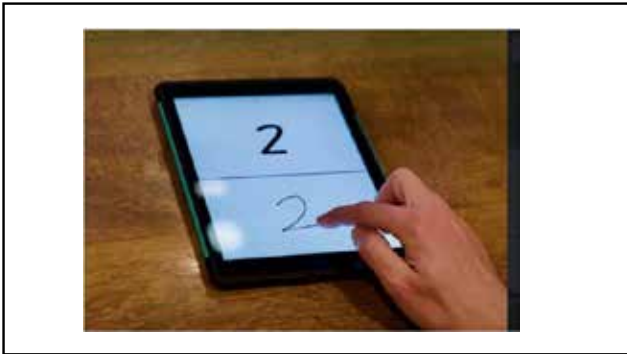
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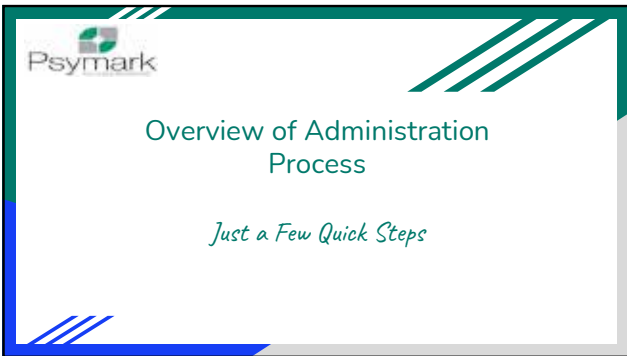


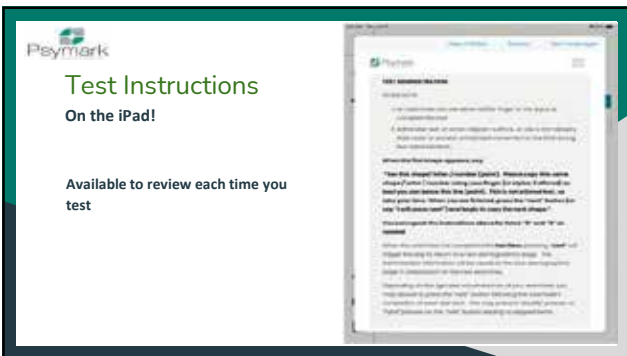




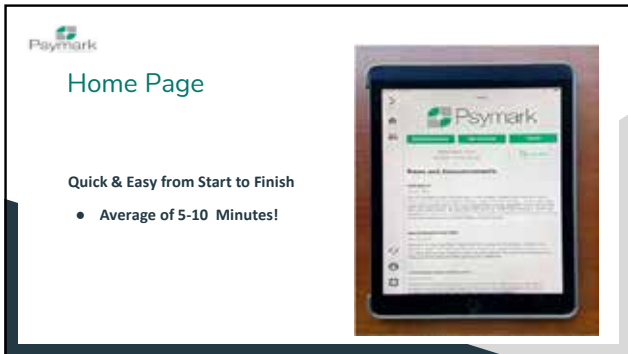
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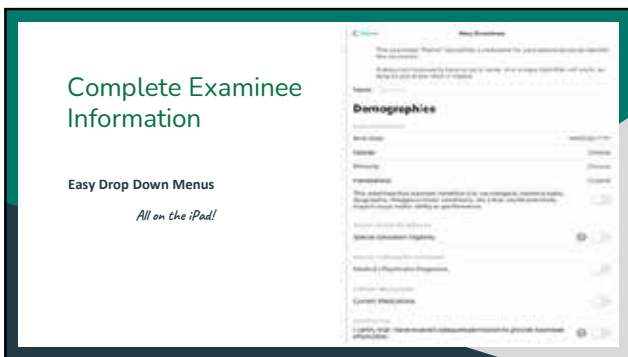


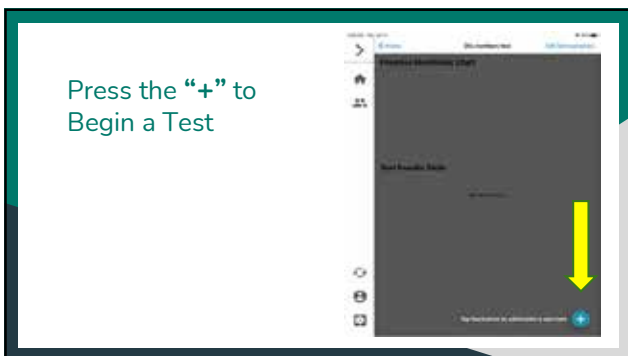




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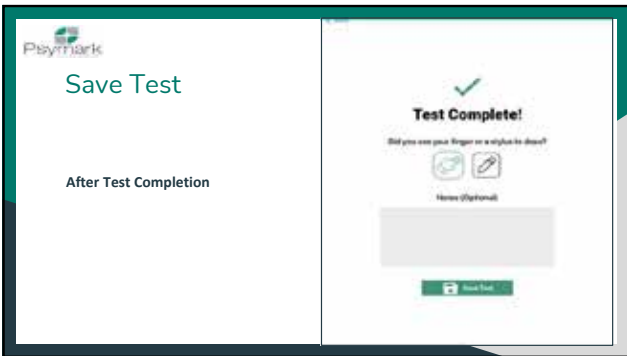


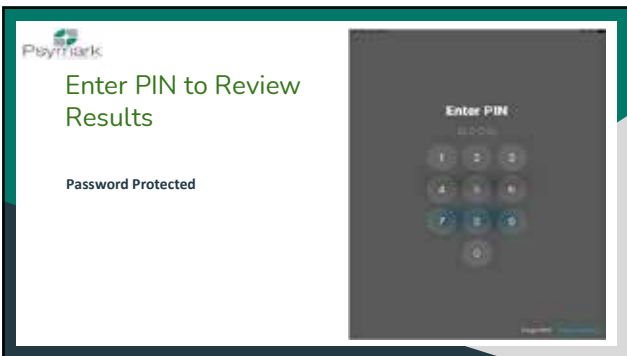




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Psymark

Scores Quickly

You will need to have Wifi for the test to score




Psymark

Results within Minutes

Single Administration


- Baseline Measures
- Reveals Strengths & Weaknesses
- Informs What Interventions Would be Beneficial



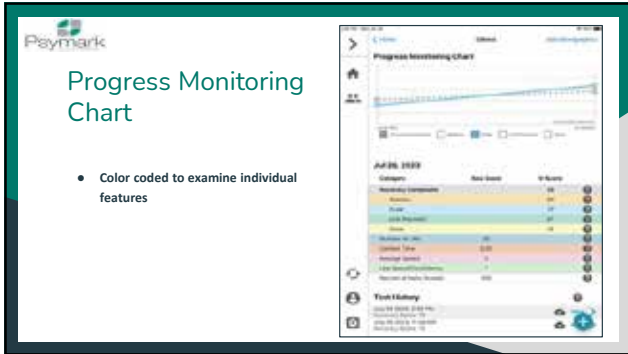
Psymark

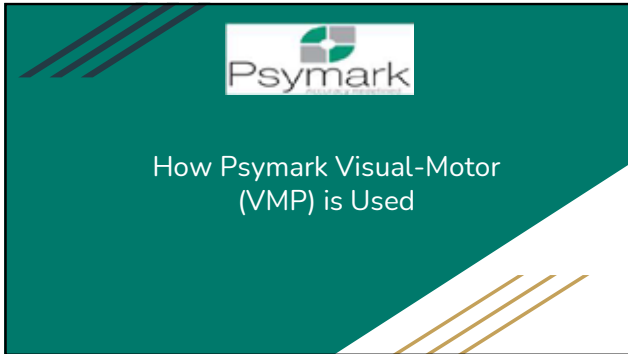
Progress Monitoring Chart

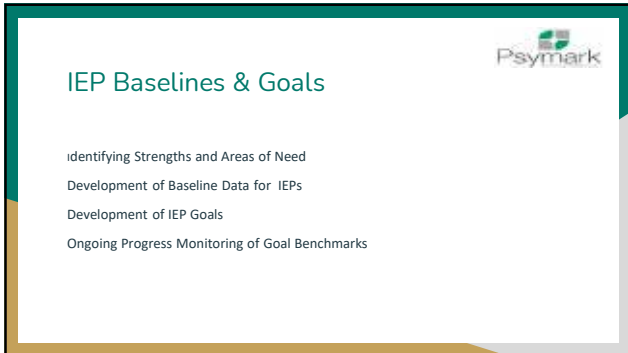
- Multiple Administrations
 - Information on Real Time Performance on Multiple Measures Over Time!
- Shows Response to Interventions (RTI) or Developmental Growth Over Time



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MTSS & RTI

Identifying areas of need
Developing targeted interventions
Monitoring for Intervention Effectiveness



Target Interventions & Treatment

Objectively Measures Multiple Areas of Visual-Motor/Handwriting
Identifies Specific Areas for Targeted Intervention
Objectively Measures the Effectiveness of Interventions on Visual-Motor Functioning




Other Conditions Impacting Visual-Motor

Baseline and Treatment Progress Monitoring of Visual-Motor Functioning for Victims of:

- Stroke
- Traumatic Brain Injury (TBI)
- Neurological Conditions (Parkinson's, MS)


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Research


A Research Tool for Better Identification and Treatment of:

- Learning Disabilities
- Developmental Disorders
- Neurological Conditions






Summary of Three Visual-Motor Progress (VMP) Monitoring Tests

Letters, Numbers, Shapes



Digital Visual-Motor Progress (VMP) Monitoring Assessments

 SHAPES: Visual-Motor Progress Monitoring (VMP):	 LETTERS: Visual-Motor Progress Monitoring (VMP):	 NUMBERS: Visual-Motor Progress Monitoring (VMP):
<ul style="list-style-type: none">• Monitors progress of visual-motor capabilities• Immediate feedback on treatment interventions• Results can be monitored over time• Displayed on a color coded graph	<ul style="list-style-type: none">• Assesses selected letters to support occupational therapists and teachers• Helps to identify needs• Informs interventions• Monitors Response to Interventions (RTI)	<ul style="list-style-type: none">• Assesses selected numbers to support occupational therapists and teachers• Helps to identify needs• Informs interventions• Monitors Response to Interventions (RTI)

42

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