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Introducing the WISC-V

Slide 2

Contents

- Introduction
- Revision Highlights
  - New Subtests and Changes to Retained Subtests
- Best Estimates for Final Test Structure
- Purchasing Information

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Coming Fall 2014!
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Traditional Format
Paper/Pencil

Digital Format on
Q-interactive

Scoring Options
Automatic Scoring & Reporting via Q-interactive
• Score Report
• Combination Reports
• Narrative Reports

Similar score report output as those available on Q-global, plus:
• Automatic subtest scoring
• Immediate scaled scores

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WISC-V Revision Goals
• Update theoretical foundations
• Increase user friendliness
• Increase developmental appropriateness
• Improve psychometric properties
• Enhance clinical utility

What do these revision goals really mean?

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Q-interactive
Digital system for individually-administered tests consisting of two primary components

CENTRAL:
Secure, browser-based function for generating client profiles, building test batteries, creating assessment sessions, and sharing results.

ASSESS:
Application that lets an examiner administer a test on two tablets connected by Bluetooth.
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Clinician Device – Your manual, record form, scoring

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Observation Notes

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DEVELOPMENT OF THE WISC-V:

NEW SUBTESTS AND
RETAINED CONTENT WITH
REVISION

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Dropped WISC-IV Subtests

- Word Reasoning
  - Redundant measure of verbal comprehension (high correlation with Information)

- Picture Completion
  - Construct not as representative of visual spatial ability as others (secondary verbal loading)

- And we needed the space for new subtests...

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WISC-V Subtest Modifications

<table>
<thead>
<tr>
<th>Subtest Modifications</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Artwork</td>
<td>Increased international portability</td>
</tr>
<tr>
<td>Scoring rules</td>
<td>Data-based queries</td>
</tr>
<tr>
<td>Item content</td>
<td>Contemporary</td>
</tr>
<tr>
<td>Stimulus Book</td>
<td>Eliminated on Vocabulary</td>
</tr>
</tbody>
</table>

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Changes to Retained Verbal Comprehension Subtests

- Updated art with increased international portability
- Revised scoring rules with data-based queries
- New, contemporary item content
- Stimulus Book eliminated on Vocabulary
Changes to Retained “Perceptual Reasoning” Subtests

- Block Design
  - New diamond and X-shaped designs
  - Evaluating new process scores
  - Partial Score
  - Simplified Break in Configuration Error Score

Changes to Retained “Perceptual Reasoning” Subtests

- Two item types retained and taught
  - 2x2 matrix
  - Serial order

Changes to Retained “Perceptual Reasoning” Subtests

- Picture Concepts
  - Items revised so images not reused
  - New items
Changes to Retained Working Memory Subtests

- Letter-Number Sequencing
  - Eliminated rhyming letters and numbers
  - Teaching modified for floor
    - 1st teach numbers before letters,
    - then teach reordering task

Changes to Retained WISC-IV Working Memory Subtests

- Arithmetic
  - New and revised items
  - One repetition on difficult items
  - Cross loading
- Digit Span
  - Added trials to Forward ceiling
  - Added some trials for gradient
  - Added new Sequencing task

Changes to Retained Processing Speed Subtests

- Coding
  - Item difficulty consistent across rows
  - Changed symbols for digital
  
  1 2 3 4 5 6 7 8 9 
  V O F F U A X E G
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Changes to Retained Processing Speed Subtests

- Symbol Search
  - New symbols
  - Evaluating error scores

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Changes to Retained Processing Speed Subtests

- Cancellation
  - New art
  - Designed by quadrant (target to distracter ratio)

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Subtest Changes: New

- Visual Spatial subtest
  - Visual Puzzles

- Fluid Reasoning subtest
  - Figure Weights

- Working Memory subtest
  - Picture Span
  - Digit Span Sequencing task added to Digit Span

- Ancillary Subtests
  - Verbal-Visual Association I (Immediate)
  - Verbal-Visual Association II (Delayed)
  - Naming Speed (includes quantity naming task)
**Visual Puzzles**
- Child views a completed puzzle and selects three response options that would combine to reconstruct the puzzle.
- Item time limit of 30 seconds.
- Measures ability to analyze and synthesize abstract information.

**Figure Weights**

**Picture Span**

Stimulus Page

Response Page
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**Naming Speed**

**Colors, Objects, Letters, & Numbers**

<table>
<thead>
<tr>
<th>Color-Object Naming (age 6)</th>
<th>Size-Color-Object Naming (age 6-8)</th>
</tr>
</thead>
<tbody>
<tr>
<td>🍎 🍏 🍒 🍊</td>
<td>🌋 🌋 🌋 🌋</td>
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</table>

<table>
<thead>
<tr>
<th>Letter-Number Naming (ages 7-16)</th>
</tr>
</thead>
<tbody>
<tr>
<td>🍋 8 🍊 7</td>
</tr>
</tbody>
</table>

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**Naming Speed**

**Quantity**

<table>
<thead>
<tr>
<th>1-4 (age 6)</th>
</tr>
</thead>
<tbody>
<tr>
<td>🍂 🍃 🍄 🍅</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1-5 (ages 7-16)</th>
</tr>
</thead>
<tbody>
<tr>
<td>🍂 🍃 🍄 🍅 🍆</td>
</tr>
</tbody>
</table>

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**Verbal–Visual Association I & II**

**Immediate Recall**

**Delayed Recall**

“Tell me what each one means.”

“A man is on a boat”
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Equivalence versus Equating

- Equivalence: Are the raw scores on the two forms the same?
  - Subtests with little change (all except Processing Speed)
  - Paper norms, reliability, and validity applicable to digital results
  - Previously shown on WISC-IV and others
    (QI technical reports: www.helloq.com/research.html)
- Equating: The raw scores on the two forms are different, but how can the raw scores on one form (digital) be transformed to equal raw scores on a base form (paper)?
  - For Processing Speed subtests (Coding, Symbol Search, Cancellation) only
  - Need additional validity evidence beyond paper format

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What does Symbol Search Look Like?

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Sample Cancellation Task
EXAMPLES OF VISUAL SPATIAL INDEX SUBTESTS

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Block Design -

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Block Design "Capture Screen" to Record Responses
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EXAMPLES OF VERBAL COMPREHENSION SUBTESTS

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Information: WISC-V Digital

Write here with stylus

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EXAMPLES OF FLUID REASONING INDEX SUBTESTS
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WISC-V Figure Weights on Q-i

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WISC-V Picture Concepts

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EXAMPLES OF WORKING MEMORY INDEX SUBTESTS
EXAMPLES OF ANCILLARY SUBTESTS

Sample Naming Speed Task

Visual-Verbal Association Immediate Recall task
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WISC-V on Q-Interactive

VIEWING RESULTS

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Immediate Scores Available

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Subtest Results in Central
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WISC-V Subtest Contents by Domain PLUS
Basic Learning Process Subtests

- Verbal Comprehension
  - Similarities
  - Vocabulary
  - Information
  - Comprehension

- Visual Spatial
  - Block Design
  - Visual Puzzles

- Fluid Reasoning
  - Matrix Reasoning
  - Figure Weights
  - Picture Concepts

- Working Memory
  - Digit Span
  - Picture Span
  - Letter-Number Span

- Processing Speed
  - Coding
  - Symbol Search
  - Cancellation

- Ancillary Subtests
  - Auditory Sequential (Immediate)
  - Auditory Sequential (Delayed Free Recall and Cued Recall)
  - Naming Speed

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Pricing - Paper and Pencil Administration

- Pre-pub pricing
- Good until 9/30/14!

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WISC-V Digital on Q-interactive

- 60-day trial offer available until June 2014
- Sign up at WISCV.com
Have Additional Questions?

Talk to a Consultant:
P: 800-627-7271
E: ClinicalCustomerSupport@Pearson.com

Join us for additional sessions!
See WISCV.com for more information!