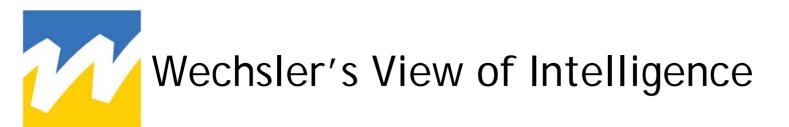
Introducing the WAIS-IV





- Introduction
- Revision Goals
- Test Structure
- Normative / Validity / Clinical Information





"The global capacity of a person to act purposefully, to think rationally, and to deal effectively with his/her environment."

Wechsler, David (1939). *The measurement of adult intelligence*. Baltimore: Williams & Wilkins, p. 229.





Wechsler-Bellevue	1939
Wechsler-Bellevue II	1946
WAIS	1955
WAIS-R	1981
WAIS-III	1997
WAIS-IV	2008



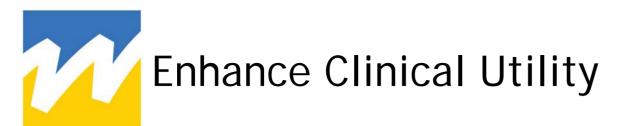


Revision Goals



Update Theoretical Foundations

- Eliminate Dual IQ/Index Score Structure
 - Consistent with WISC-IV
- Enhance Measure of Fluid Intelligence
 - Develop additional measure of fluid reasoning: Figure Weights
- Enhance Measure of Working Memory
 - Revise Arithmetic and Digit Span to emphasize WM
- Enhance Measure of Processing Speed
 - Develop additional PS subtest: Cancellation



- Co-normed with the Wechsler Memory Scale-IV
- Additional Special Group Studies (e.g., Mild Cognitive Impairment, Borderline Intellectual Functioning)
- Develop an Upgrade Kit in 2009 for Specialists (e.g., Geropsychologists & Neuropsychologists)





- Update Norms
- Expand FSIQ Range
- Improve Floors and Ceilings
- Maintain or improve subtest and composite reliability
- Provide initial evidence of validity





- Reduce Testing Time
- Revise Instructions
- Redesign Record Form
- Increase Portability
- Separate WAIS-IV and WMS-IV Technical Manuals



Increase Developmental Appropriateness

- Add demonstration and sample items
- Reduce vocabulary level of instructions
- Drop Object Assembly
- Reduce emphasis on motor demands
- Reduce emphasis on time-bonus
- Enlarge visual stimuli
- Eliminate auditory concerns on DS and LN

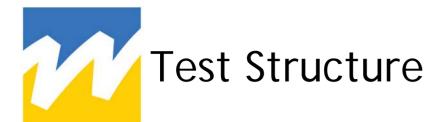




Test Structure



Ages 16:0 - 90:11



Verbal Comprehension Scale

Core Subtests
Similarities
Vocabulary
Information

Supplemental Subtests Comprehension

Perceptual Reasoning Scale

Core Subtests Block Design Matrix Reasoning Visual Puzzles New!

Supplemental Subtests Picture Completion Figure Weights (16-69) only New!

FSIQ

Working Memory Scale

Core Subtests Digit Span Arithmetic

Supplemental Subtests Letter-Number Sequencing (16-69 only)

Processing Speed Scale

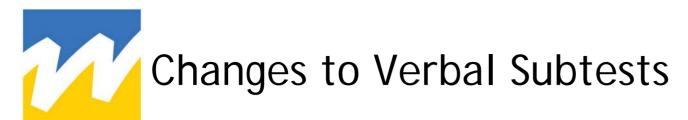
Core Subtests Symbol Search Coding

Supplemental Subtests Cancellation (16-69 only) New!

Subtest Modifications

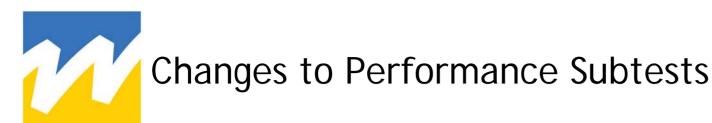
- 4 Subtests Dropped
 - Object Assembly, Picture Arrangement, Coding Recall (Digit Symbol-Incidental Learning), and Coding Copy (Digit Symbol-Copy)
- 12 Subtests Retained with Modifications
 - Similarities, Vocabulary, Information, Comprehension
 - Block Design, Matrix Reasoning, Picture Completion
 - Digit Span, Arithmetic, Letter-Number Sequencing
 - Symbol Search, Coding
- 3 New Subtests
 - Visual Puzzles, Figure Weights, Cancellation





- Similarities
 - Replaced items, Revised scoring rules, Added sample responses
- Vocabulary
 - Replaced items, Revised scoring rules, Added sample responses, Added picture items
- Information
 - Replaced items, Revised scoring rules, Added sample responses
- Comprehension
 - Replaced items, Revised scoring rules, Added sample responses





- Block Design
 - Used Model and Stimulus Book for all teaching items, Added 4-block diamond items before 9-block items, Reduced # of items with time bonus, Added BDN process score
- Matrix Reasoning
 - Retained 2 of 4 item-types, Added sample item for each type, Clarified 30-second guideline
- Picture Completion
 - Enlarged visual stimuli and Added ceiling items



Changes to Working Memory Subtests

- Digit Span
 - Added new sequencing task, Eliminated rhyming numbers
- Arithmetic
 - Omitted reference to English measurement system and currency, Decreased emphasis on mathematical skills to increase emphasis on working memory
- Letter-Number Sequencing
 - Eliminated rhyming numbers and letters, Omitted use of L, I, O, and zero, Implemented graduated teaching strategy

PEARSON



Changes to Processing Speed Subtests

- Symbol Search
 - Enlarged symbols, Revised format and instructions
- Coding
 - Enlarged symbols and writing space, Redesigned for more equivalent item difficulty across task, Revised instructions for consistency with WISC-IV

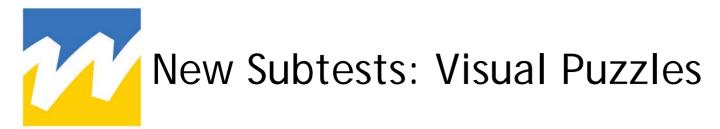




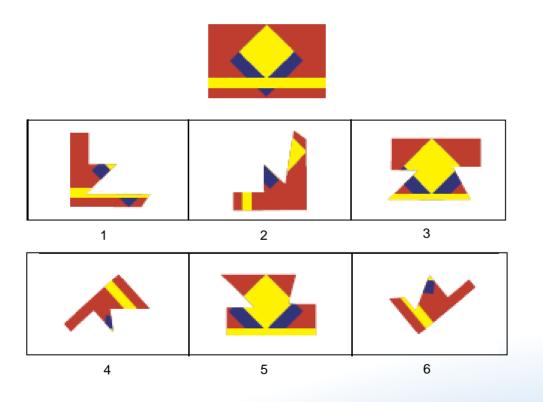
Subtest	WAIS-III	WAIS-IV
BD	3	2
SI, MR, AR, CO	4	3
VC, IN	6	3
PCm	5	4



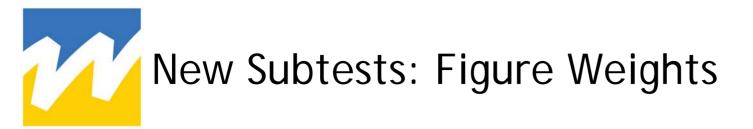
PEARSON



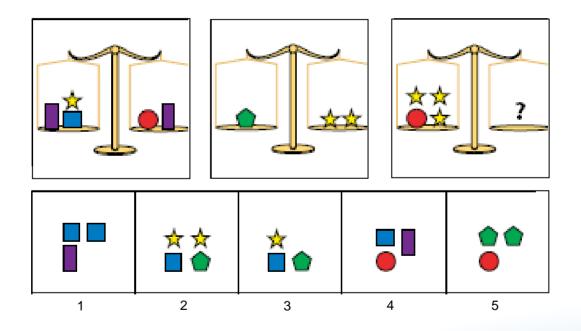
"Which 3 of these pieces go together to make this puzzle?"



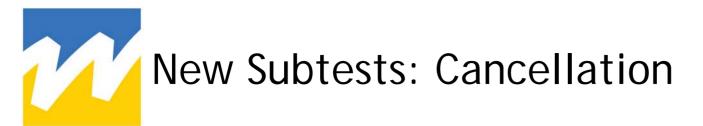




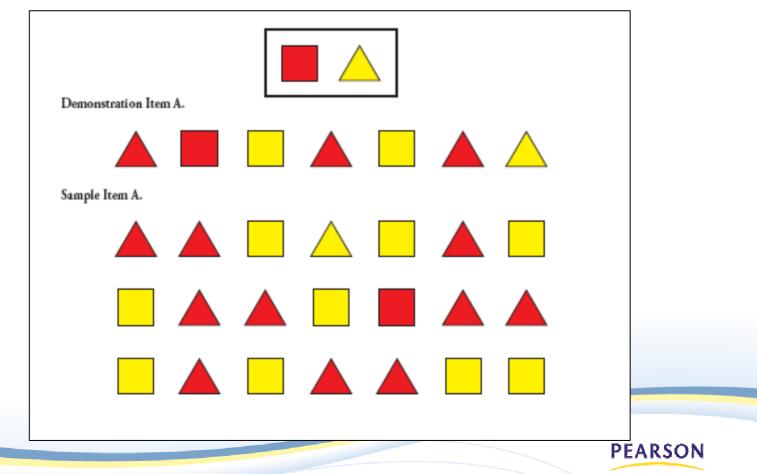
"Which one of these goes here to balance the scale?"







"When I say go, draw a line through each red square and yellow triangle."





- FSIQ
 - Based on 10 core subtests
- Index Scores: Primary interpretation level
 - VCI & PRI: 3 core subtests each
 - WMI & PSI: 2 core subtests each
- GAI = VCI + PRI
 - Optional Index score





- Block Design
 - Block Design No Time Bonus (BDN)
- Digit Span
 - Digit Span Forward (DSF), Digit Span Backward (DSB), Digit Span Sequencing (DSS)
 - Longest Digit Span Forward (LDSF), Longest Digit Span Backward (LDSB), Longest Digit Span Sequence (LDSS)
- Letter-Number Sequencing
 - Longest Letter-Number Sequence (LLNS)

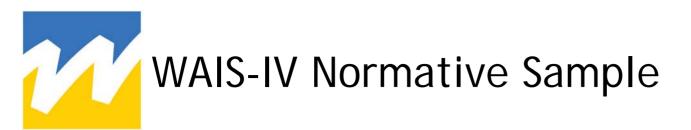


Normative Sample Information

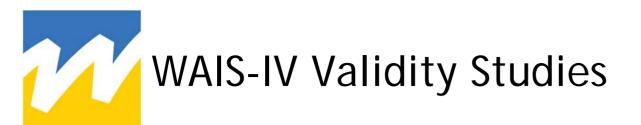
Validity Study Information

Clinical Study Information





- Ages 16-90
- Normative sample: N = 2200
 - 200 examinees per age band for ages 16-69
 - 100 examinees per age band for ages 70-90
- National sample stratified by:
 - Sex
 - Education Level
 - Ethnicity
 - Region



- WMS-IV Co-norming Study (2009 pub)
- WMS-III Correlational Study (16:0-89:11)
- WAIS-III Equating Study (16:0-89:11)
- WISC-IV Equating Study (16:0-16:11)
- WIAT-II Linking Study (16:0-19:11)
- CMS Correlational Study (16:0-16:11)



WAIS-IV Clinical Studies

- Intellectual Disability: Mild Severity
- Intellectual Disability: Moderate Severity
- Borderline Intellectual Functioning
- Gifted Intellectual Functioning
- Autistic Disorder
- Asperger's Disorder
- Learning Disability: Reading
- Learning Disability: Math
- ADHD
- TBI
- Mild Cognitive Impairment
- Dementia of the Alzheimer's Type
- Depression

