

Tutorial 4- IQ Testing

Subtest	Index score	Core/ supplemental	Timed?	Task Requirements	CHC Abilities measured- Broad and Narrow (only broad abilities will be covered in exam questions)
Similarities	VCI	Core	No	Examinees describe how two words that represent common objects or concepts are similar	Broad: Gc Narrow: LD, VL, I
Vocabulary	VCI	Core	No	Examinees name pictures or provide definitions for words	Broad: Gc Narrow: Verbal, VL
Comprehension	VCI	Core	No	Examinees answer a series of questions based on their understanding of general principles in social situations	Broad: GC Narrow: LD, KO
Information	VCI	Supp.	No	Examinees answer questions that address a wide range of general knowledge topics	Broad: GC Narrow: Verbal, KO
Word Reasoning	VCI	Supp.	No	Examinees identify a common concept being described by a series of clues	Broad: GC Narrow: VL, I
Block Design	PRI	Core	No	Examinees replicate a set of modelled or printed two dimensional geometric patterns using red and white blocks	Broad: GV Narrow: SR, VZ
Picture Concepts	PRI	Core	No	Examinees choose one picture, from among 2 or 3 rows of pictures presented, to form a group with a common characteristic	Broad: Gf Narrow: I, verbal, KO

Matrix Reasoning	PRI	Core	No	Examinees complete the missing portion of a picture matrix by selecting one of five response options	Broad: Gf, Gv Narrow: I, RG
Picture Completion	PRI	Supp.	Yes	Examinees view a picture and name the essential missing part of the picture	Broad: Gf, Gv Narrow: I, RG
Digit Span	WMI	Core	No	Examinees repeat numbers in the same (digit span forward) or reverse (digit span backward) order as states by the examiner	Broad: Gsm Narrow: CF, verbal, K0
Letter-Number Sequencing	WMI	Core	No	Examinees are read a number and letter sequence and recall numbers in ascending order and letters in alphabetical order	Broad: Gsm Narrow: WM
Arithmetic	WMI	Supp.	Yes	Examinees mentally solve orally presented arithmetic problems	Broad: Gf Narrow: RQ, A3
Coding	PSI	Core	Yes	Examinees copy symbols that are paired with geometric shapes (younger children) or numbers (older children) using a key	Broad: Gs Narrow: R9
Symbol Search	PSI	Core	Yes	Examinees scan a search group and indicate the presence or absence of target symbol(s)	Broad: Gs, Gv Narrow: P, R9
Cancellation	PSI	Supp.	Yes	Examinees scan a random and a non-random arrangement of pictures and mark target pictures	Broad: Gs Narrow: P, R9

Key

Term	Meaning
VCI	Verbal Comprehension Index
PSI	Processing Speed Index
PRI	Perceptual Reasoning Index
WMI	Working Memory Index
Gc	Crystallised intelligence
Gf	Fluid Intelligence
Gq	Quantitative Knowledge
GSM	Short term memory
Gv	Visual Processing
Ga	Auditory Processing
GlR	Long term storage and retrieval
Gs	Processing speed

There are Wechsler Tests for Adults- (WAIS-IV age 16 and older); Children- (WAIS-V ages 6-16); Preschoolers (WPSSI-III ages 2-6)

WISC-IV	
Index Score	Subtests (15)
Verbal Comprehension Index VCI- Verbal reasoning, comprehension, expression	Similarities - how is a pear like a pomegranate? Vocabulary - what does ship mean? Comprehension- (Information) (Word Reasoning)
Perceptual Reasoning Index PRI- Fluid Reasoning (problem solving), without the influence of speed or motor performance	Block Design Picture Concepts Matrix Reasoning (Picture Completion)
Working Memory Index WMI- Ability to hold information in the mind temporarily	Coding Letter Number Sequencing (Arithmetic)
Processing Speed Index PSI- Response speed	Coding Symbol Search (Cancellation)
Always Administered Supplementary Mean= 100; SD=15	

Week 8 & 9 Lecture

Topic: Assessment of Intelligence