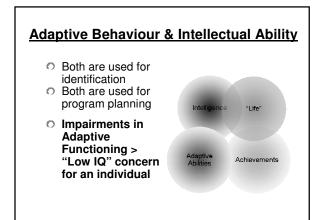
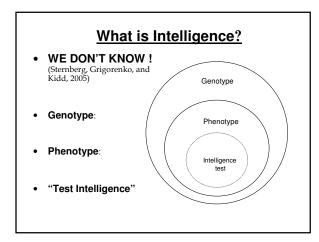


Learning Objectives

- 1. Describe the relationship between adaptive functioning and ID
- 2. Identify the components of intelligence testing
- 3. Identify the factors that affect intelligence
- 4. Definition of Adaptive Behaviour
- 5. Identify the domains of Adaptive Behaviour
- Levels of Developmental Disability Intellectual & Adaptive
- 7. Identify the conditions that affect adaptive functioning

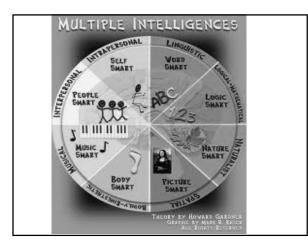






What is Measured & Why?

- No universal definition
- Different tests = different results
- What is a "normative" group
- Complex process
- Many factors affect performance
- Relatively stable
- Correlation between IQ and success



What do IQ Tests Do?

- Designed to measure general ability to solve problems and understand concepts.
- Visual-Spatial ability
- Problem-Solving (Thinking) ability
- Language ability
- Memory ability
- Processing

What Factors Impact Intelligence or IQ Scores?

- Economic status
 Childhood development
 Parental education
- Cultural variables
 Personal interactions
 Expected reactions
- Societal Expectations
 Opportunities
 Community
- Other Factors
 - Personal
 - Testing Situation

Standard IQ Score Ranges				
Standard Score	Classification	Relation To Average	Percentile	Frequency
130 and above	Very Superior	Above +2	Above 98 th	1 in 50 above 132
120 - 129	Superior	Within + 1.5 to + 2 SD	90 th to 98 th	1 in 10 above 120 1 in 20 above 125
110 - 119	High Average	Within + 1 to +1.5 SD	75 th to 90 th	1 in 5
90 - 109	Average	Within +/- 1 SD	25 th to 75 th	1 in 2
80 - 89	Low Average	within -1 to -1.5 SD	16 th to 25 th	1 in 10 below 80
71 - 84	Borderline	within -1.5 to -2 SD	3 rd to 16 th	3 between 69 & 75
70 - 55	Mild Intel. Dis.	Within -2 to -2.5 SD	2 nd to .1 st	1 in 20 below 75
54 - 35	Moderate I.D.	Within -2.5 to -3 SD	0.1 to < 0.1	1 in a 100 below 64
34 - 20	Severe I.D.	Within -3 to -3.5 SD	Below 0.1	Less than 1 in 200
Below 20	Profound I.D.	- 3.5 and below	Below 0.1	Less than 1 in 1000



What is Adaptive Behaviour?

Adaptive behavior refers to:

- The quality of everyday performance in coping with environmental demands
- Adaptive behaviour refers to what people do to take care of themselves and to relate to others in daily living
- Concept first defined in the 1959 AAMR definition of Mental Retardation (Heber, 1959)
 - Further defined in 1983 in DSM, as follows:

DSM-IV CRITERIA

"A particular state of functioning that begins in childhood and is characterized by limitations in both intelligence and adaptive skills."

Limitations in two or more areas of adaptive functioning:

- O Communication skills
- Home living skills
- Community skills
- O Health and safety
- O Leisure time
- Self care skills
- Social skills
- O Self direction skills
- O Functional academic and/or work skills

Measuring Adaptive Functioning

- O Communication Domain
 - Receptive skills
 - Expressive skills
 - Written skills

Measuring Adaptive Functioning

O Daily Living Skills Domain

- Personal
- Domestic
- Community

Measuring Adaptive Functioning

Socialization Domain

- Interpersonal Skills
- Leisure Skills
- Work Skills
- Coping Skills

Measuring Adaptive Functioning

• Motor Skills Domain

- Gross Motor & Fine Motor Skills
 - Ages 0 5yrs
 - Strength and weakness
 - Ages 6 79
 - Physical concern

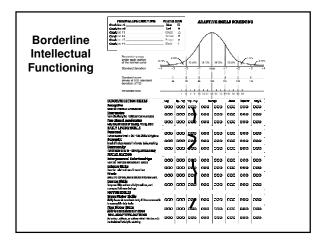
Interpreting Performance

Adaptive Levels

- Descriptive categories
 "non-technical" terms
- Standard Scores & Percentiles
 Standardized
 - O Statistically based

Intelligence Quotient (IQ) Range	Ability at Preschool Age (Birth to 6 Years)	Ability at School Age (6 to 20 Years)	Ability at Adult Age (21 Years and Older)
IQ Range = 71 to 84	- not significantly different	 Poorer academic performance behavioral problems 	- Adaptive function varies - Cognitive functioning
May or may not be combined with lower adaptive ability	- may have behavioural concerns - increased difficulty in demanding or		more limited - Academic or occupational achievement limited
7% of population	unfamiliar environments		

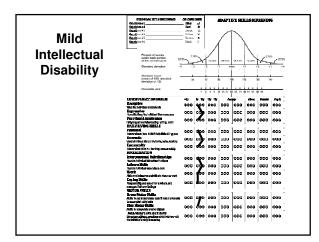






Intelligence Quotient (IQ)	Ability at Preschool Age (Birth to 6 Years)	Ability at School Age (6 to 20 Years)	Ability at Adul Age
Range			(21 Years and Older)
I.Q. Range = 52-69	- Late Diagnosis	-Grade 6 literacy	 Usually self- support
M.A. = 8 - 11 2.7% pop	- Average social	- Basic social skills, not all	- Guidance may
	-Delayed milestones		be needed
Approx 85% of those with an I.D.	-Communication lower	-Limited problem solving ability	- Learned or Instinctive
	-Coordination impaired	- Difficulty with abstract concepts	responses

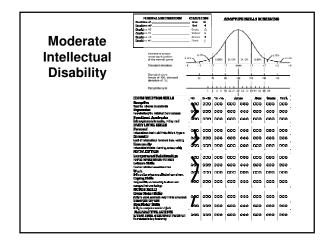






Moderate Intellectual Disability – AXIS II - 318			
Intelligence Quotient (IQ) Range	Ability at Preschool Age (Birth to 6 Years)	Ability at School Age (6 to 20 Years)	Ability at Adult Age (21 Years and Older)
IQ Range =	- Basic	- Limited adaptive skills	- Some degree of
35 to 55	communication		self-support
M.A.= 5.5 – 8 yr	- Poor social awareness - Milestones	- Structured & repetitious training	- Increased need for guidance wher under stress
0.2% pop	- Fair motor	- Limited academic	- Increased
About 10% of	coordination	progress	supervision
persons with	- Additional self-	- Limited	
I.D.	help supports	independence	

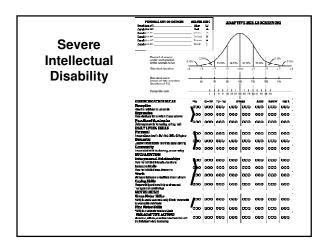






Severe Intellectual Disability – AXIS II – 318.1			
Intelligence Quotient (IQ) Range	Ability at Preschool Age (Birth to 6 Years)	Ability at School Age (6 to 20 Years)	Ability at Adult Age (21 Years and Older)
IQ Range = 20-35 or 40	- Limited communication	- Functional communication	- Self-care assistance
M.A. = 3 – 5.6 yr 0.1% pop	 Limited Self-help Poor Motor skills 	- "Habit trained" adaptive skills	Complete supervision Additional needs Limited self- protection skills
About 3% to 4% of persons with I.D.			- Limited understanding of societal rules

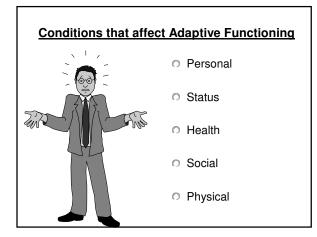






Profound Intellectual Disability – AXIS II – 318.2			
Intelligence Quotient (IQ) Range	Ability at Preschool Age (Birth to 6 Years)	Ability at School Age (6 to 20 Years)	Ability at Adult Age (21 Years and Older)
IQ Range = 19 or below	- Extreme cognitive limitation	- Physical limitations	- Routine trained
M.A. = < 3yr	- Poor motor coordination;	- Limited communication	- Extensive medica care
0.05% pop	- Extended care	- Limited	- Cause – Effect
1 – 2% of persons with I.D.		independent behaviour	





Education

- Reciprocal Effect Education & Socioeconomic status
- Parents' educational level
- Educational experiences can influence future choices
- Choice of field affects personal view

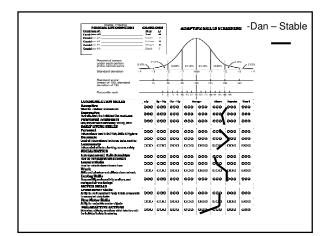
Conditions that affect Adaptive Functioning

Case Study - Dan

- Male age 30
- Graduated from college average grades
- Works his way up the field
- Married, has 2 children

Employment

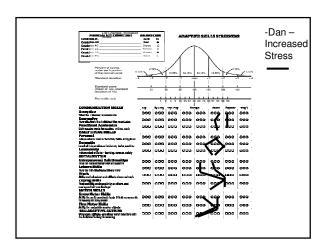
- Employment affects choices
- Varied vs restricted job experiences
- Values & Beliefs affect choices
- A "job" versus a "vocation"





Socio-Economic Status

- Availability of external support
- Availability of options & choices
- Changes in status can result in stress



Mental Health

- Life Events and Personal Crisis can result in a decline functioning abilities
 - Family crisis
 - Personal Crisis
 - Each event can escalate previous crisis

Mental Health & I.D.

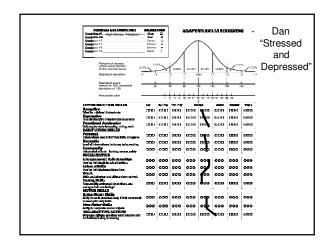
- Approximately 10 to 40% of people with ID
- Anxiety and depression are common

Case Study - Dan

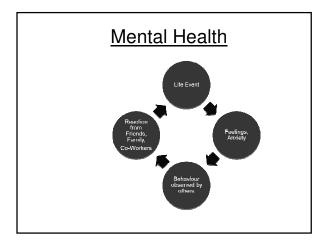
- O Dan completed his management program
- Changed jobs
 - Within 6 months was dissatisfied
 - Supervisor was a "bully"
 - Increased conflicts
 - Increased physical reactions
- Dan's level of adaptive functioning declines

Self-Image

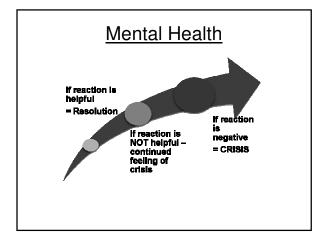
- Is affected by all conditions
- Can change over life span
- Is subjective & variable depending on conditions
- Can be unrealistic or unconnected to observed / actual functioning ability













Cultural / Ethnic / Religious

Values & beliefs

Interpersonal

- Comfort
- O Trust / Sharing
- AcceptanceUnderstanding

Family Dynamics

• Relationships within family affects interactions outside family.

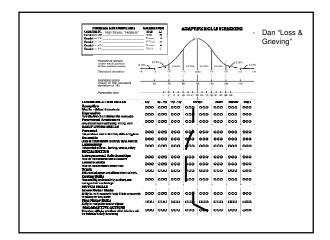
Affects

- Self-image
- Trust
- Empathy
- Expression of feelings,
- Physical contact, etc.

Intimate Relationships

 Changes in intimate relationships = changes in functioning abilities

- Increase or decrease
- Future involvement
- Support
- Socio-sexual





Living Accommodations

- Age
- Economic status
- Interpersonal
- Community
- Available supports

Physical Health

Affected by:

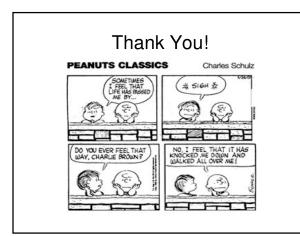
- Age, genetics & gender
- Physical abilities health / sensory abilities & sensitivities / illness / disorders / injuries
- Sleeping & eating patterns
- Level of physical activity

Adaptive Functioning & Supports

o Multiple conditions can affect Adaptive Functioning:

Personal, Social, Health, Physical, Community Deficits or no gains ?

- With appropriate supports over a sustained period, the adaptive functioning of the person with an intellectual disability will generally improve
 - o More independent, productive, and integrated into their community.
- · Finally, in rare circumstances, the major objective should be to maintain current level of functioning or to slow regression over time.



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