

Attention



Original Constructs

- Attention shifting
- Selection under distraction
- Preparatory attention



Construct/Component Process

- **Implementation of Selection**
 - was originally called selection under distraction
 - definition: a local process and can boost salience of target and suppress salience of distractors
- **Stimulus Driven Shifts of Attention**
 - part of original attention shifting construct
- **Top Down Influences on Shifts of Attention**
 - part of original attention shifting construct
- **Vigilance**
 - New....but part of MATRICS



Not Recommended for further research

- 2/3 still recommended but redefined
- Preparatory construct appears to capture notions of task set configuration now largely considered as an executive control function.



More basic cognitive neuroscience research needed (Specify)

Construct/Component Process:

- Implementation of selection
 - Electrophysiological measures exist but need behavioral measures
- Vigilance
 - Poor understanding of cognitive architecture of vigilance deficits



Attention Shifting Construct

- **Stimulus Driven Shifts of Attention**
 - May be relatively normal in schizophrenia
- **Top Down Influences on Shifts of Attention**
 - Focus of research should be in area of top down control



Recommended for Measurement

- **Top Down Influences on Shifts of Attention**
 - Focus of research and translation should be in area of top down control



Construct Creep

- Attentional control deficits (keep mental representation of goal to guide input selection, maintenance of appropriate S-R mapping rule in the face of competition) deficits in schizophrenia emerge in interactions with executive processing and working memory.
- Challenge is to determine whether a common core set of control deficits can account for patient performance deficits that emerge in multiple cognitive systems.



More clinical research needed (Specify)

Construct/Component Process:

- Rationale: Strengths
- Rationale: Limitations

