Did Travis Bickle Have a Brain Injury?

Assessing the potential for violence in individuals with traumatic brain injury

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Who is Travis Bickle?

Character in Scorsese's "Taxi Driver" Decorated Vietnam veteran with PTSD Loner, problems making relationships Judgment and perception issues Angry, hostile, paranoid, vengeful Homicidal and suicidal behaviors

What if Travis Bickle was a veteran of Iraq/Afghanistan?

Could Travis Bickle have a TBI?

Iraq/Afghanistan veteran

Multiple deployments, front line soldier

Exposure to IED's, multiple concussive injuries

Relationship and personal problems at

home

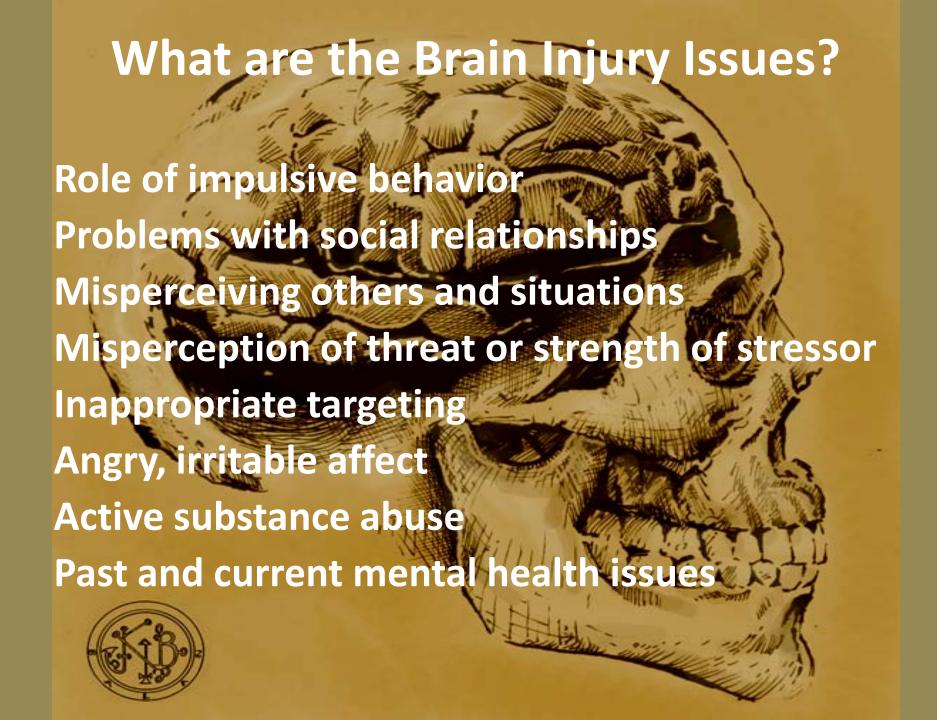
Unrecognized TBI and PTSD

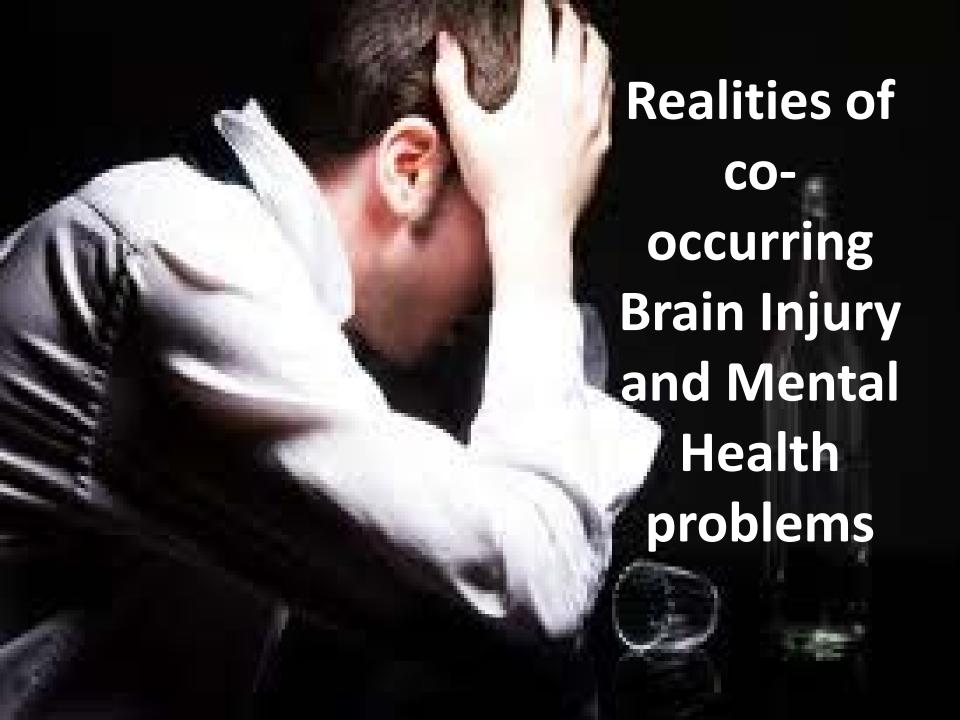
Alienated from others

Warning: This presentation contains graphic images, some of which depict violence

Understanding the risk for violence and brain injury

Location of the injury Personality changes post-injury Behavioral changes post-injury Relationship changes post-injury Response to stress Poor coping skills Impaired self-regulation **Mood state instability**





Pre-TBI and co-occurring disorders increase risk factors

- History of severe psychiatric problems
- Presence of PTSD
- Substance Abuse
- ADHD and learning disabilities
- Presence of seizure disorders

What is the Standard of Care for assessing violence?

How is risk identified?





Who is "at risk" for violent behavior?

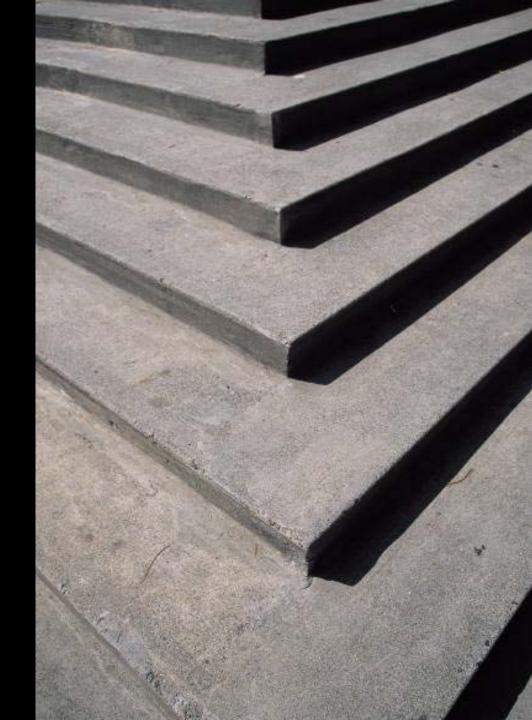
How can we improve our understanding of behavioral dyscontrol?

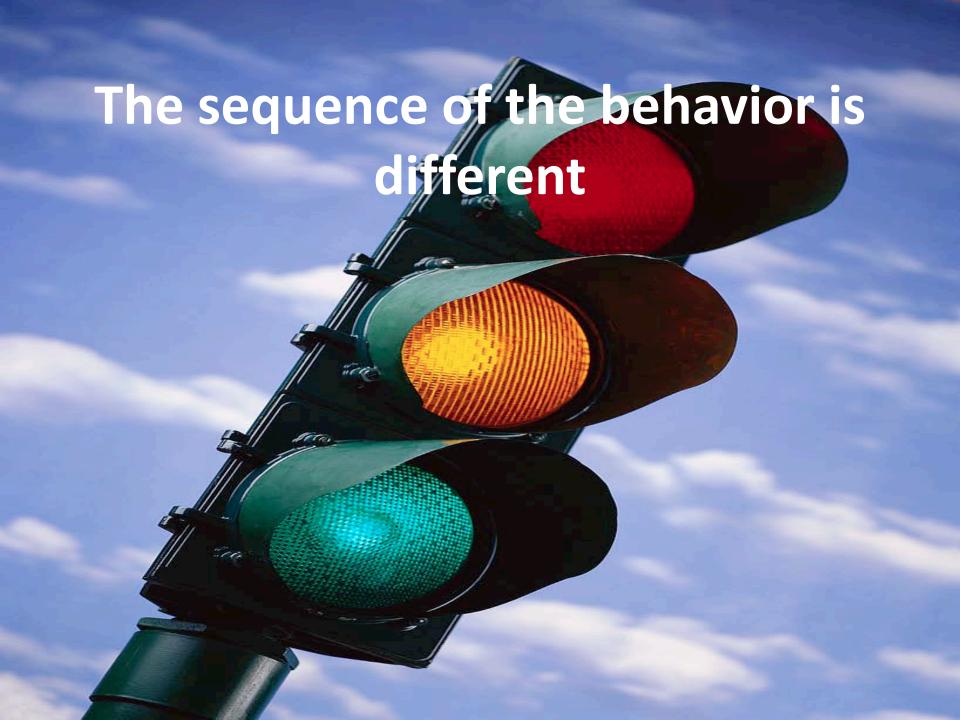


Establishing the Threat Level

What's on the radar?

What are the steps leading to the act?





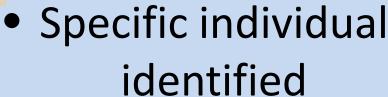
DICE CHART Roll rrent

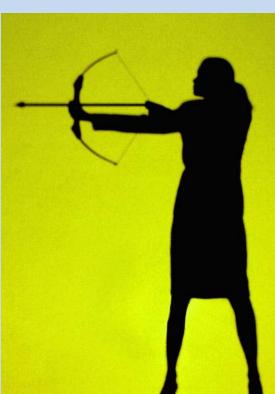
Defining the Target



Personal risk

General or community risk





Understanding the violent act and TBI

Ready

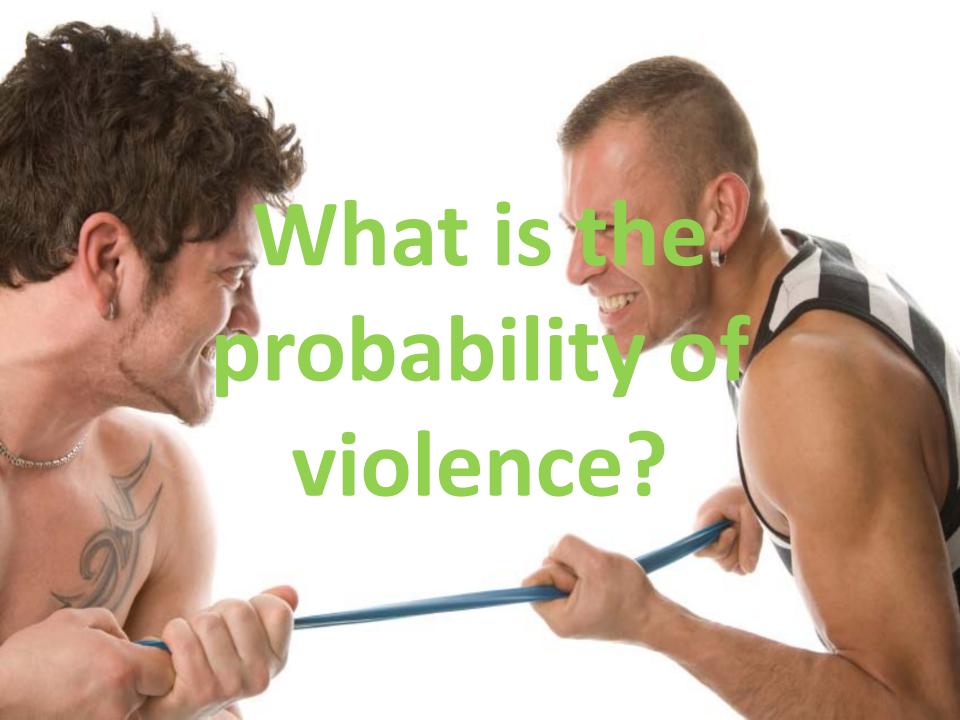
Aim

Fire



Fire

Aim

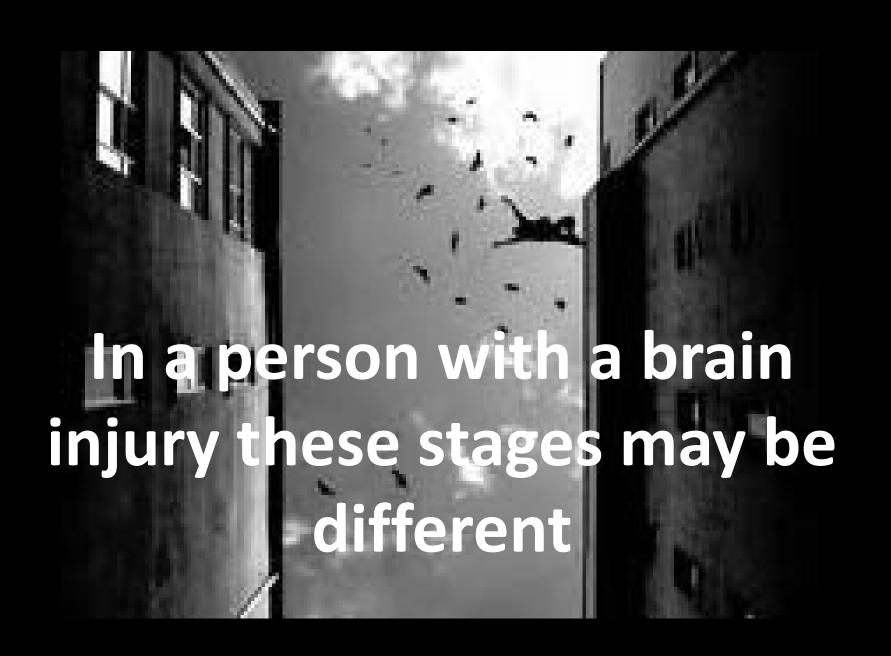


Are the warning signs present?









What's the clinician's responsibility?

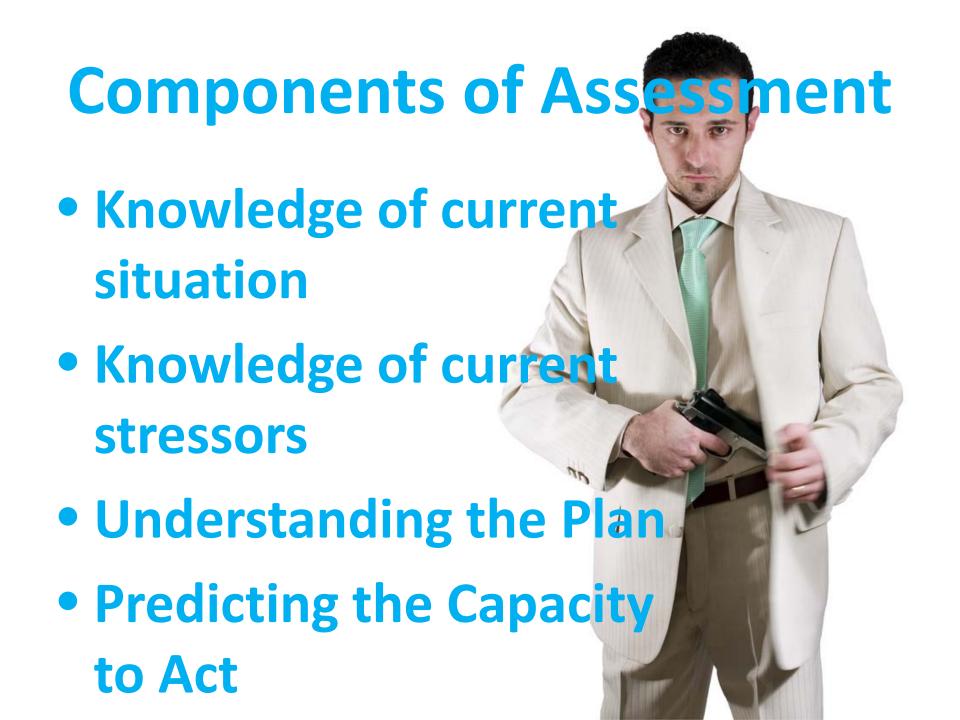


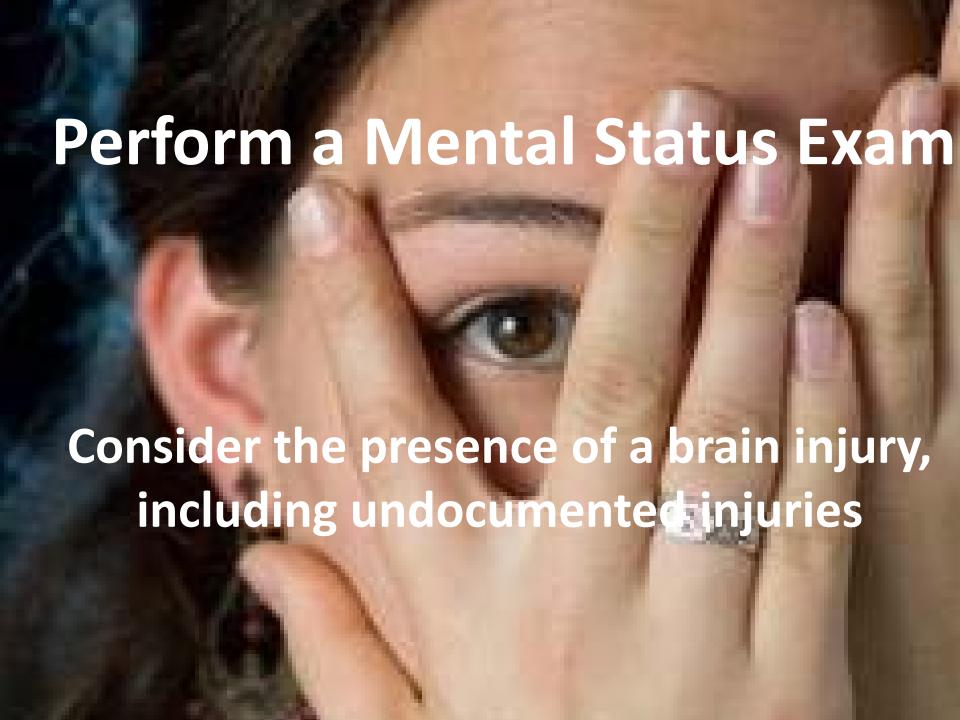
Phases of Assessment



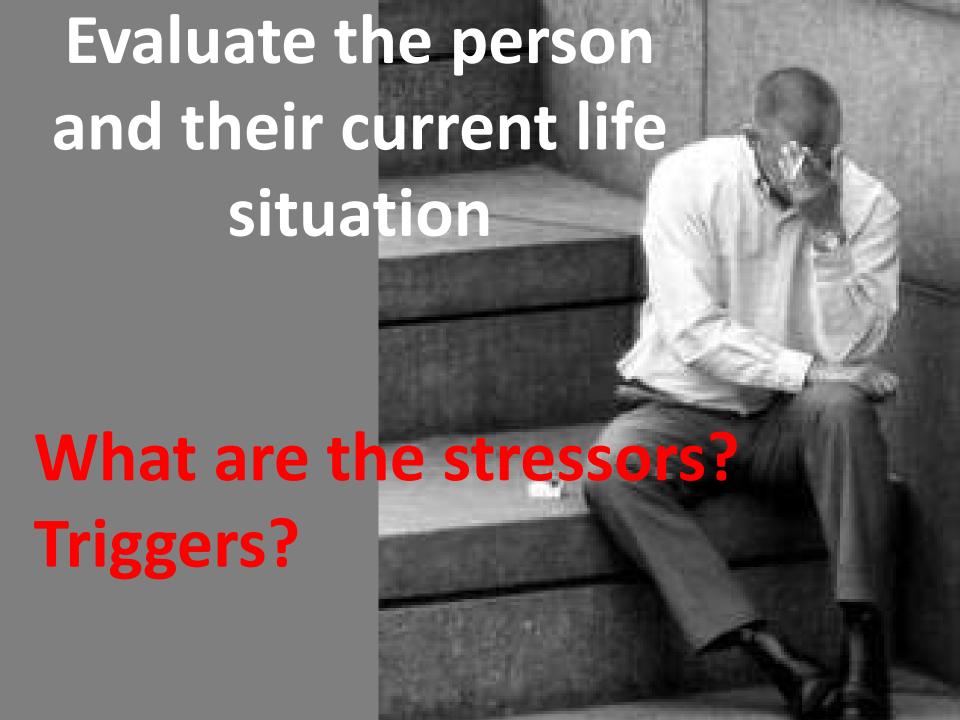


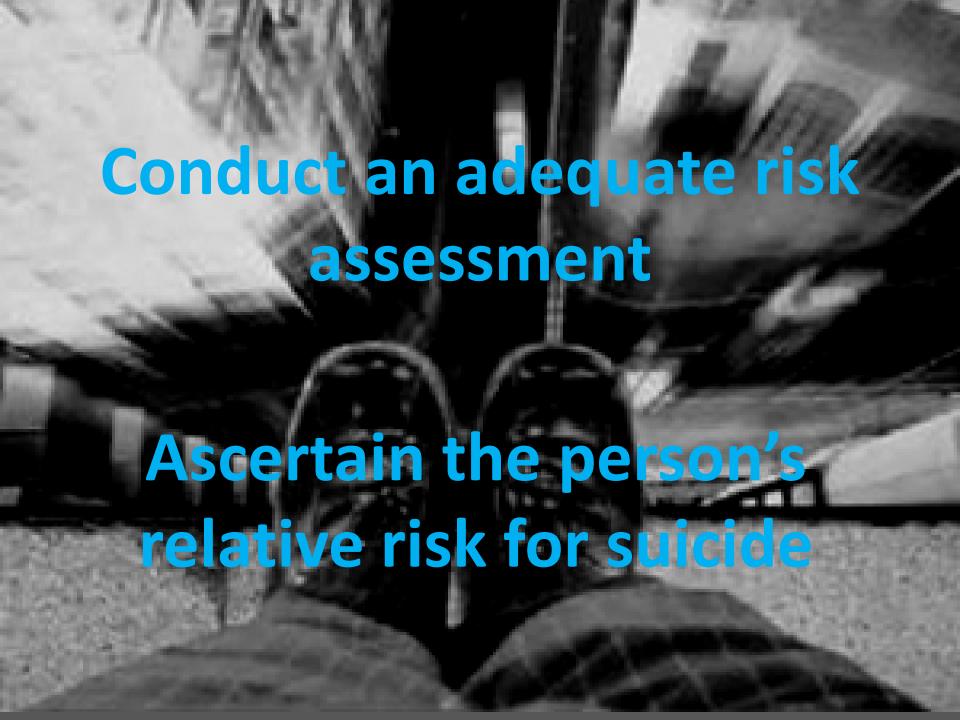




















Why not contract for safety?

- Memory Problems
- Role of Impulse- driven behavior
- Executive deficits







When urgency takes precedent



Understand the extent of the current problems and stressors

Avoid assuming that treatment and intervention will diminish ongoing risks



Don't assume that the risk will resolve over the course of time.

DISORIENTED

BEWILDERED

PERPLEXED



Develop adequate safeguards in the environment

Avoid the entrapment of a behavioral contract with the person

Consider the value of a "Safety Plan"

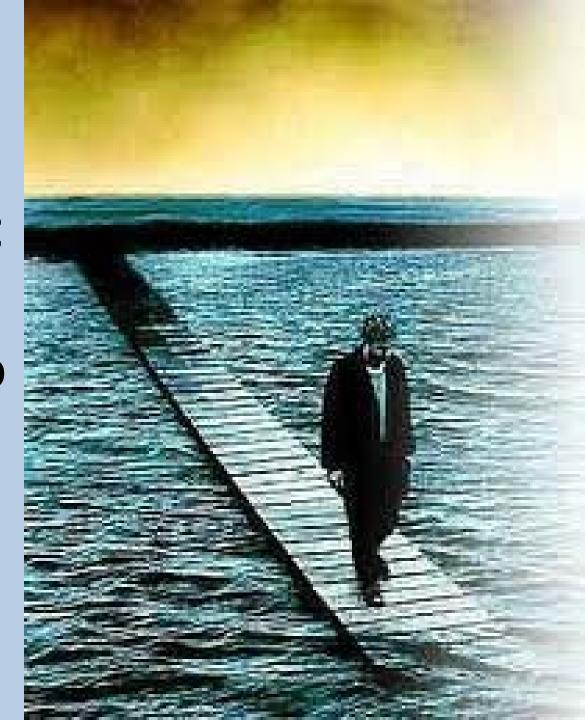
Defining "Triggers", Stressors, Safety Net Relationships, Steps to be enacted in a crists

Understand the limits of a therapeutic relationship

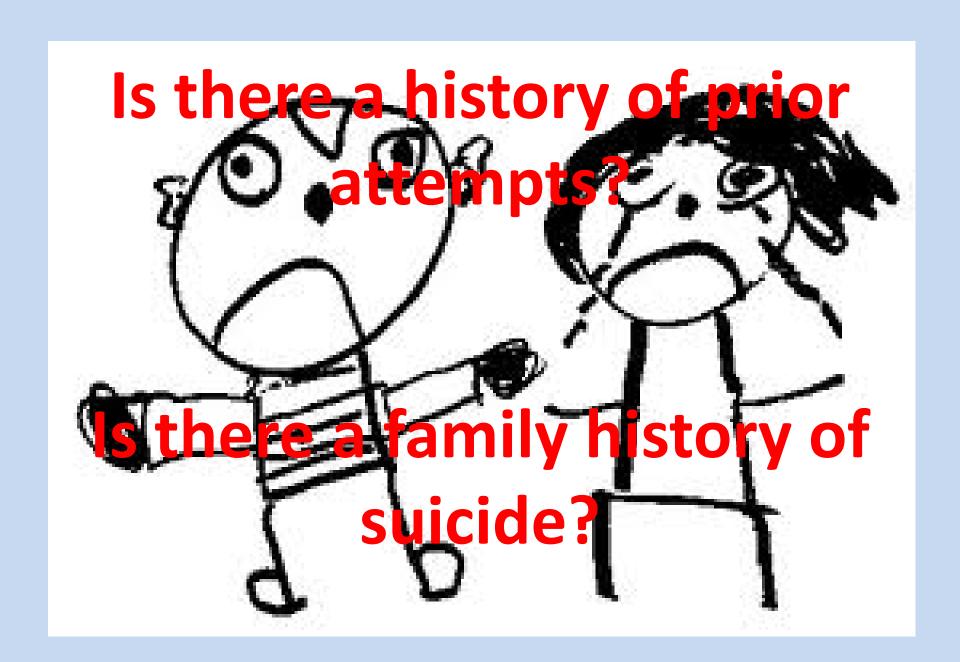


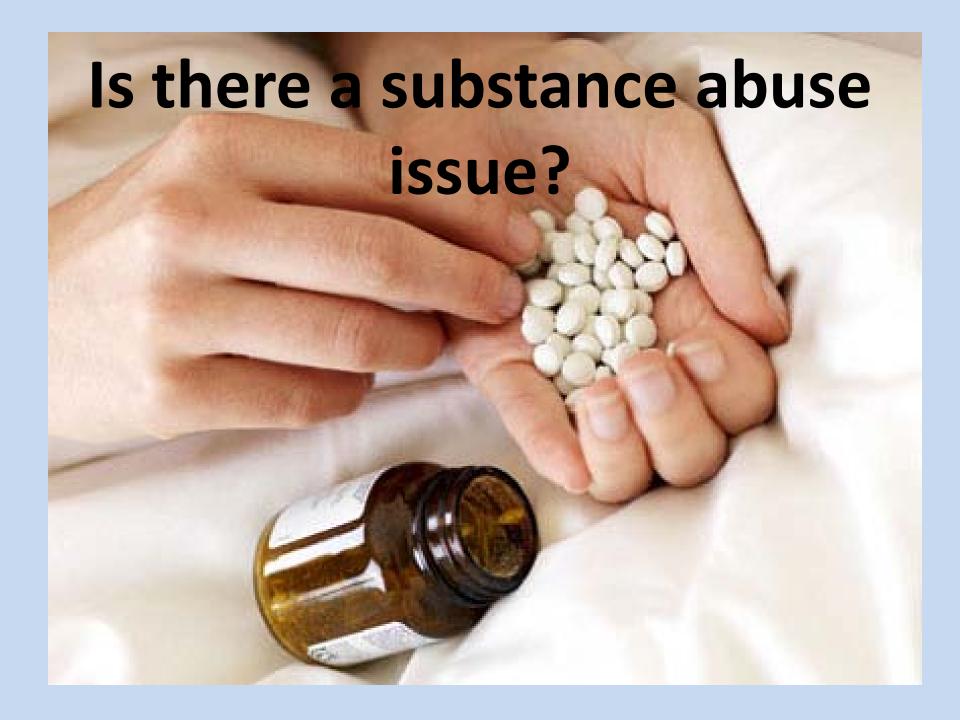
Know when risk is eminent

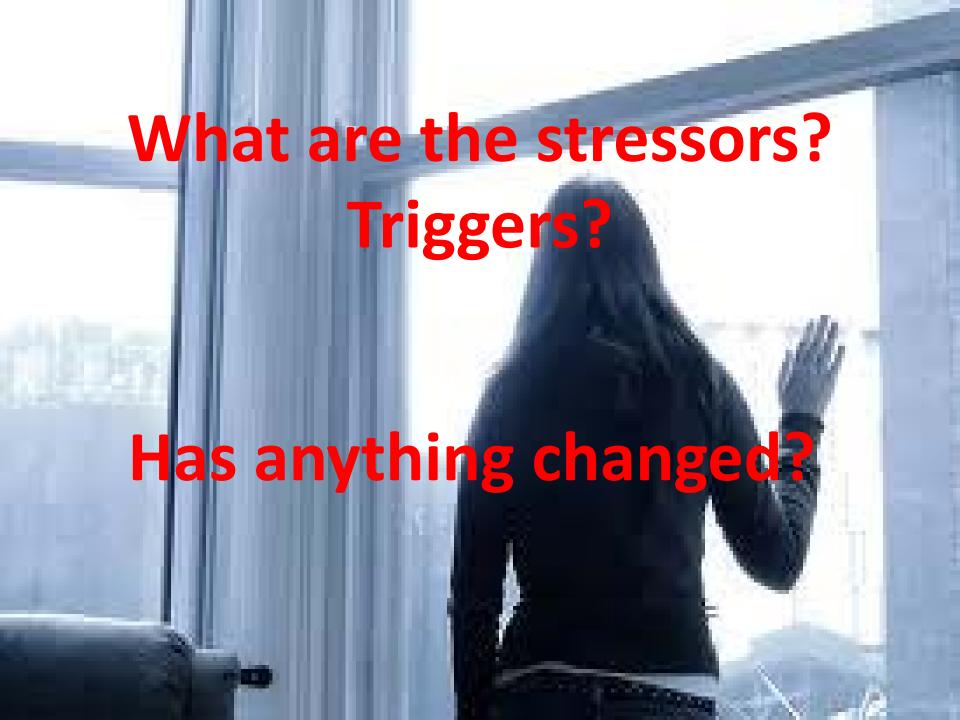
Be prepared to act





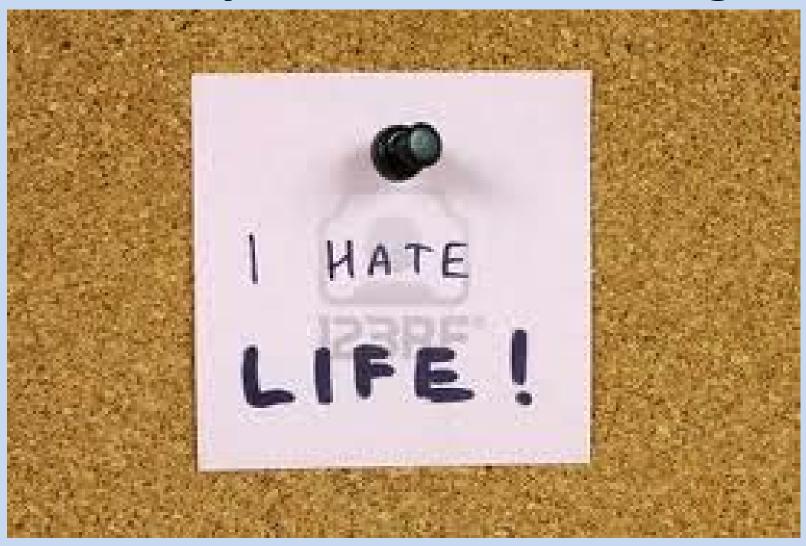








Are they still communicating?





Has the person entered into a period of calm?

Have they prepared for the







State or Trait Anger: which predisposes the person to violence?



At what point will verbal expression become physical?

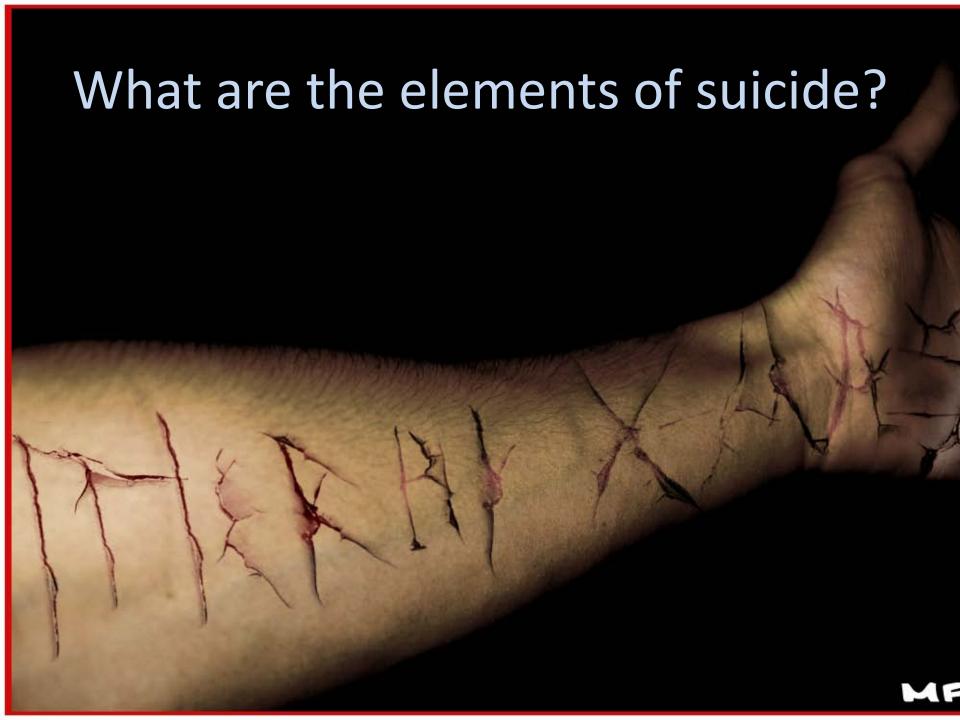












Assessing the Risk for Suicide

Feelings of hopelessness, seeing no alternatives



Assessing the Risk for Suicide

Suicide
Ideation:
thoughts, plan
and method



Negative Self-Evaluation



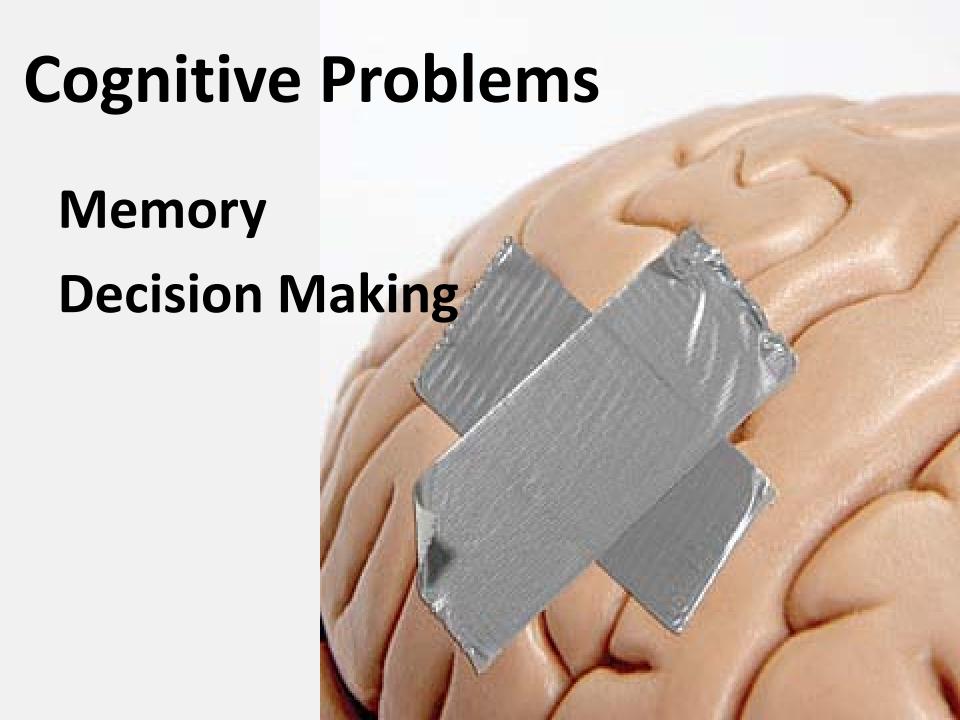
Feelings of worthlessness, depression, despair





Loss of self

nasculinity Decreased sense of Increased sense burdensomenes Frustrated regarding "hidden" changes





Impulse Control Problems

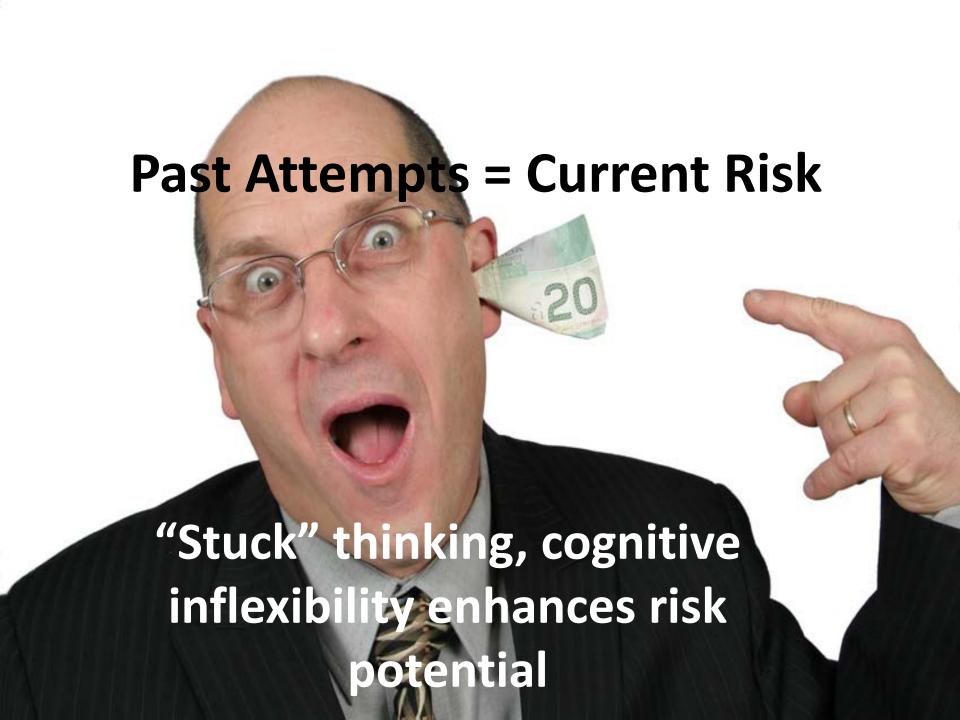


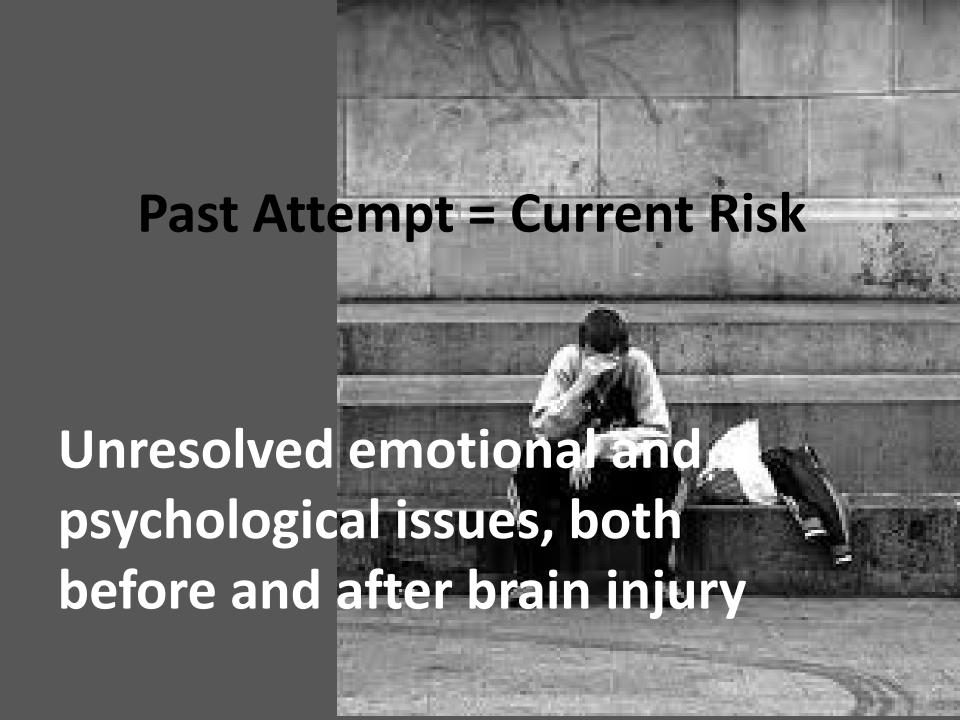
the long runway of suicide risk





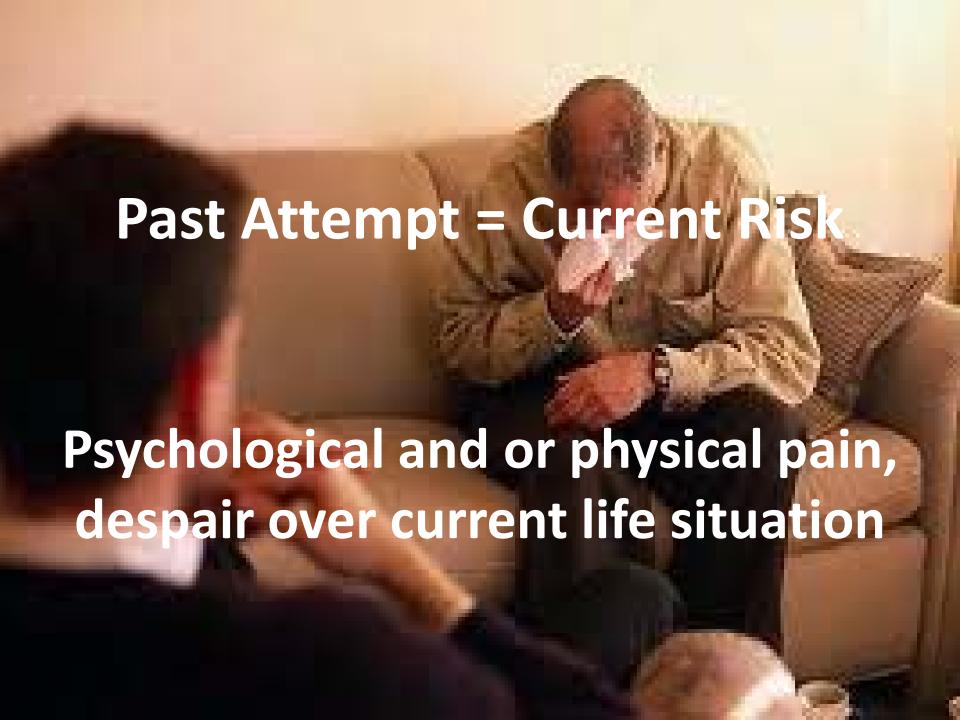






Past Attempt = Current Risk

The significant role of impulsive behaviors





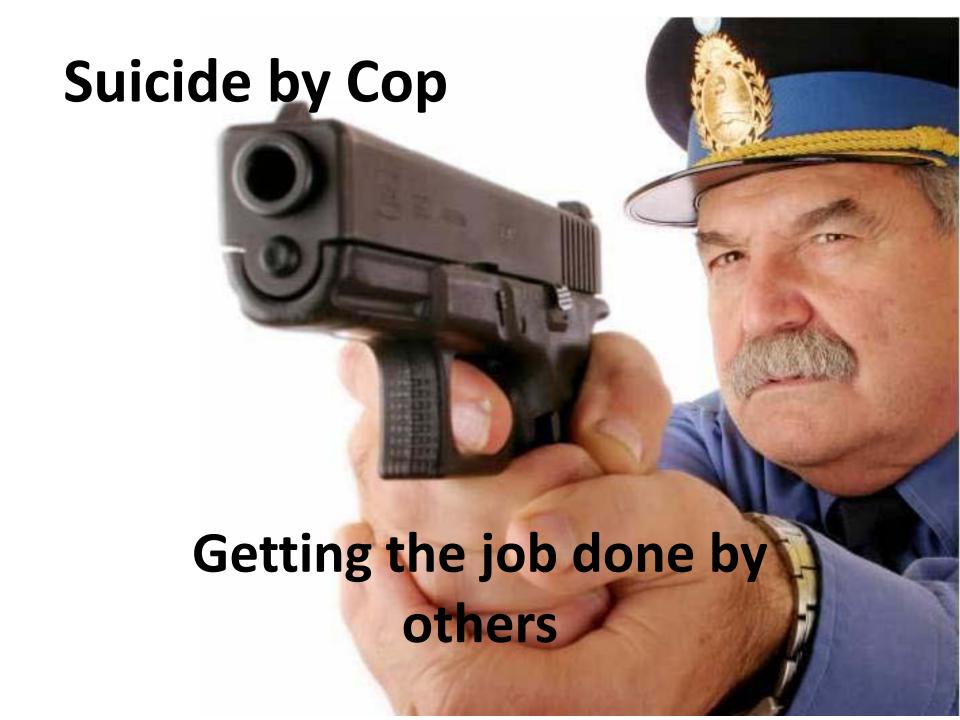




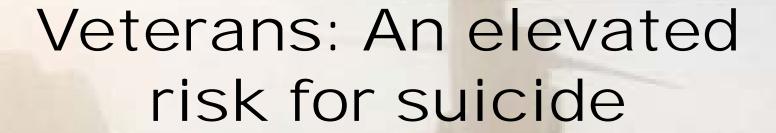


A different suicide scenario





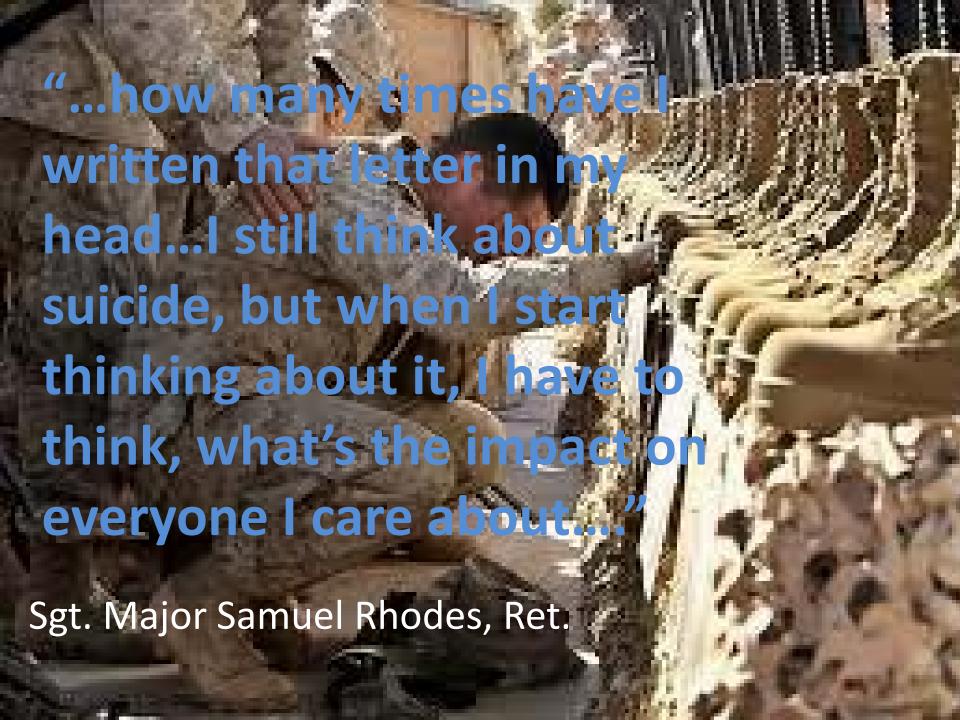




Source: Maguen, S; Metzler, T.; Bosch, J.; Marmar, C.; Knight, S.; Neylan, T.: Vietnam Veterans: Killing in Way and Suicidal Thoughts, Medical

News Today, April 20, 2012

http://www.medicalnewstoday.com/releases/244322.php



what percentage of military and veteran suicides have a brain injury?

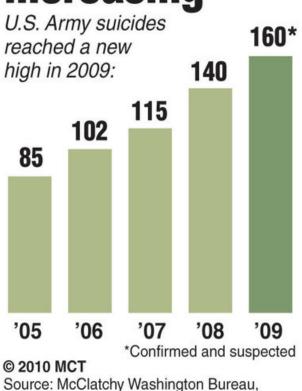


154 suicides in 155 days

January 1 to June 8, 2012

Military: Increasing Rate of Suicide

Army suicides increasing

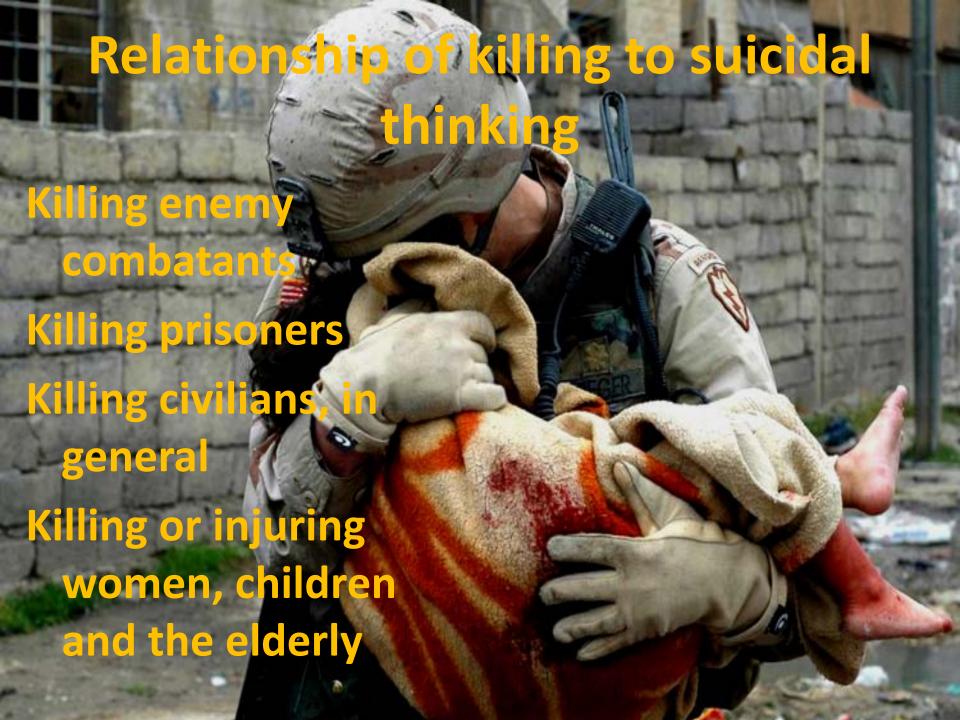


Graphic: Judy Treible

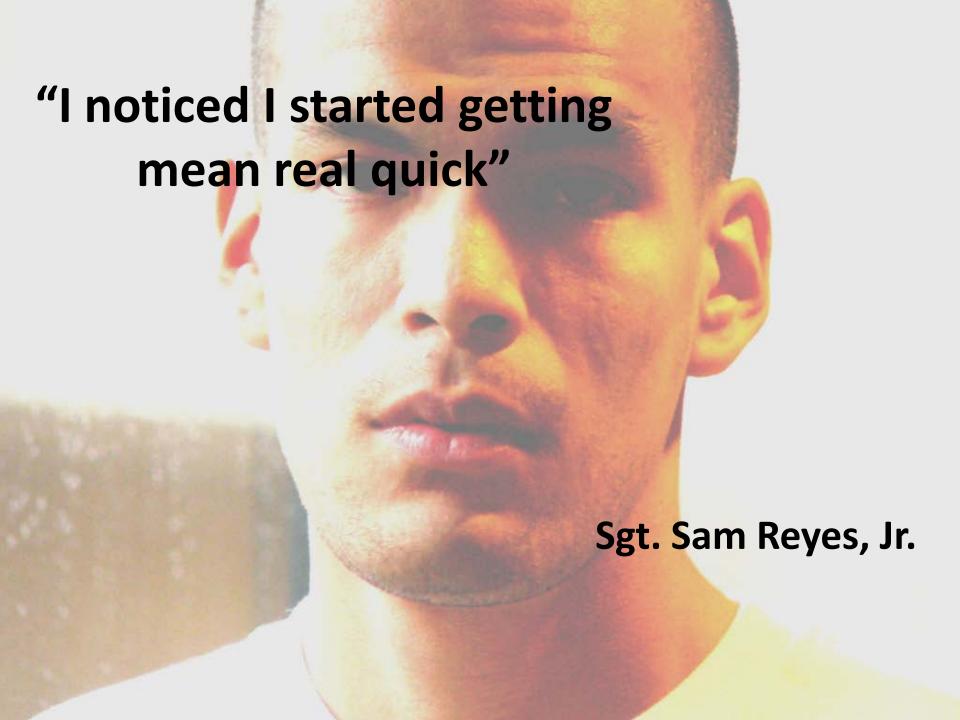
U.S. Army

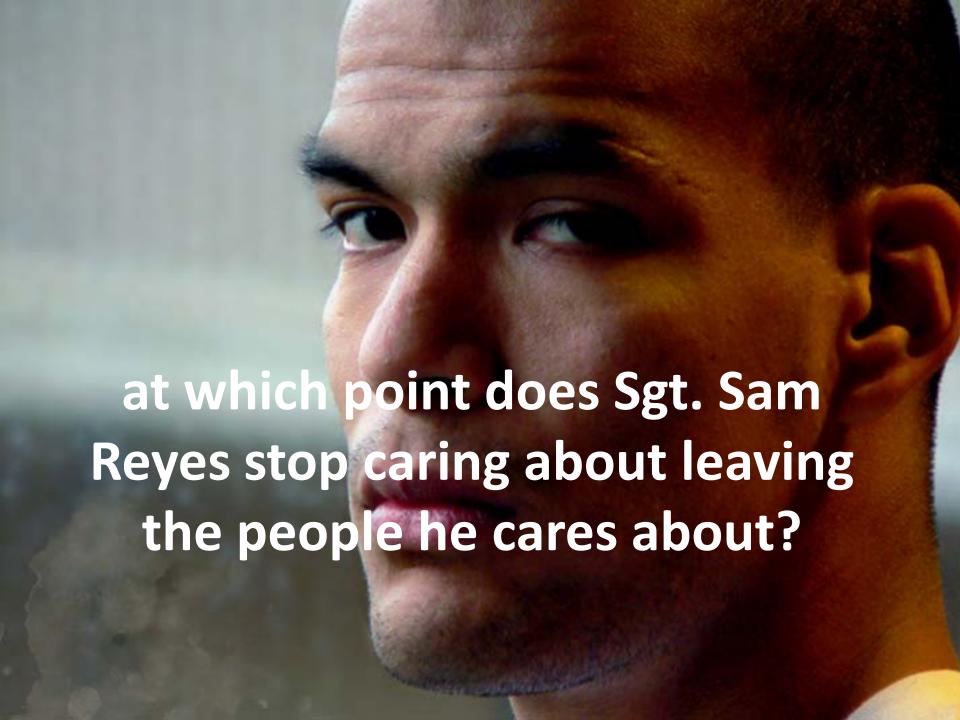
21.8 per 100,000 in 2009 among Army personnel

 11.3 per 100,000 in 2007 in the civilian population

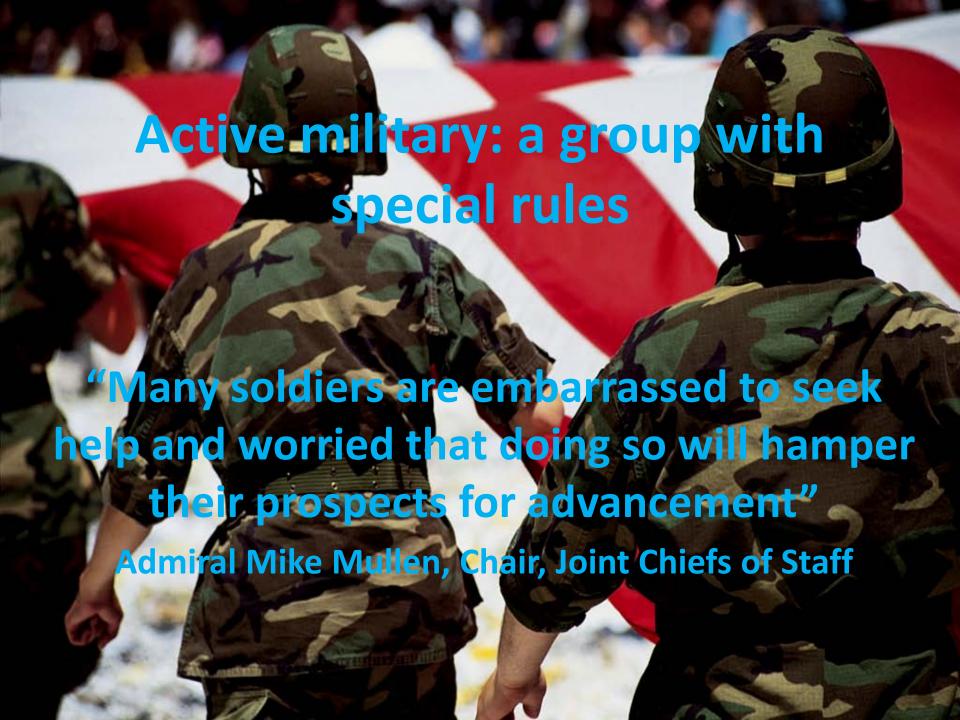


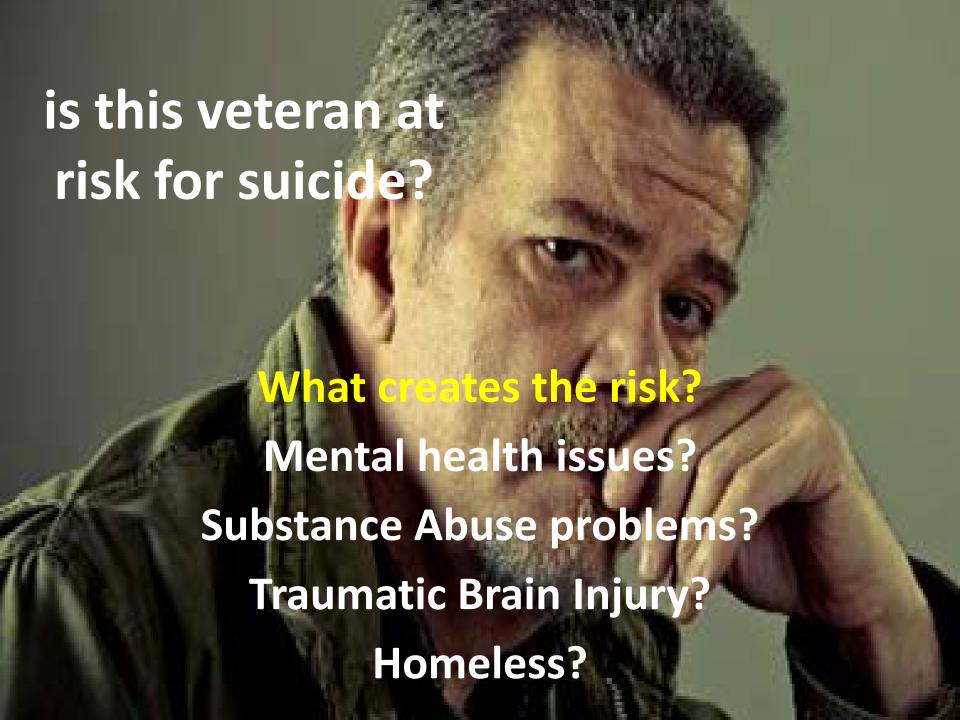


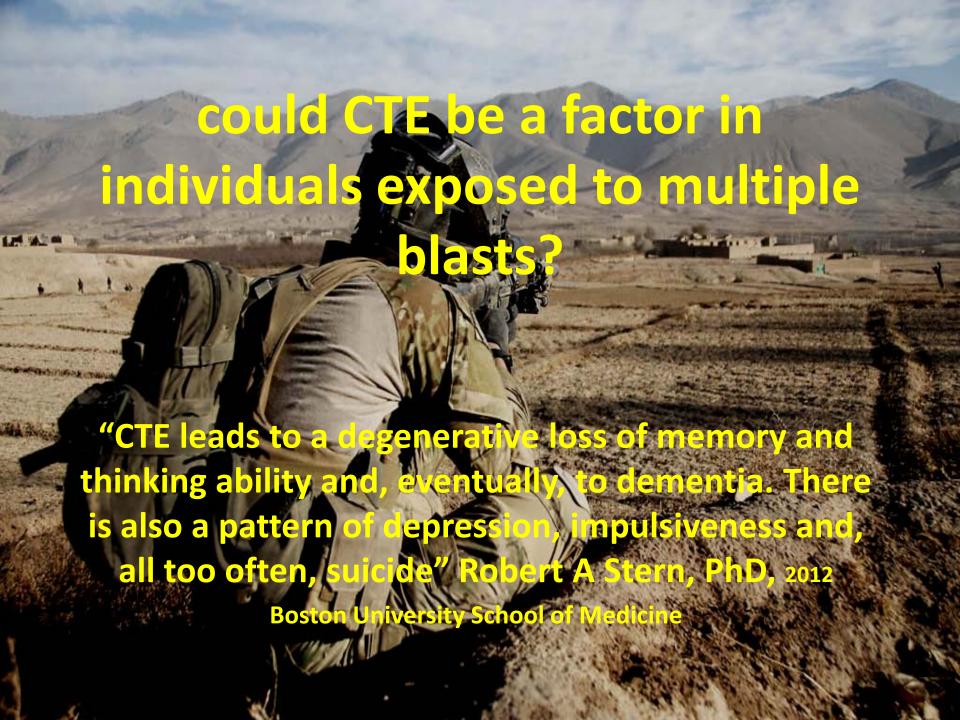


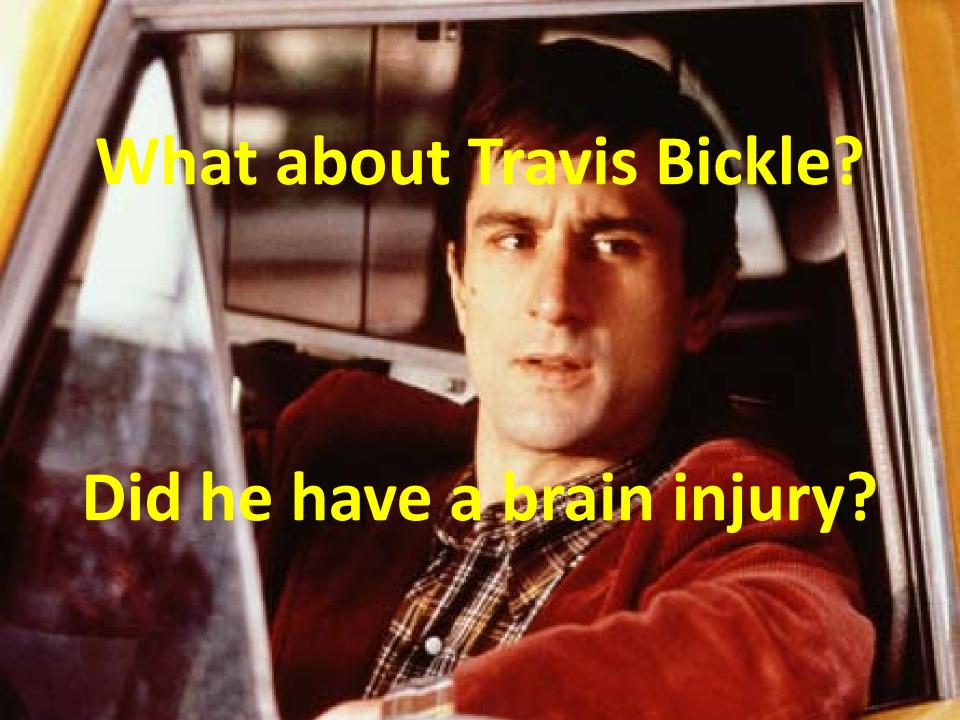


at which point does impulsive behavior trigger the act?









Did anybody ask?

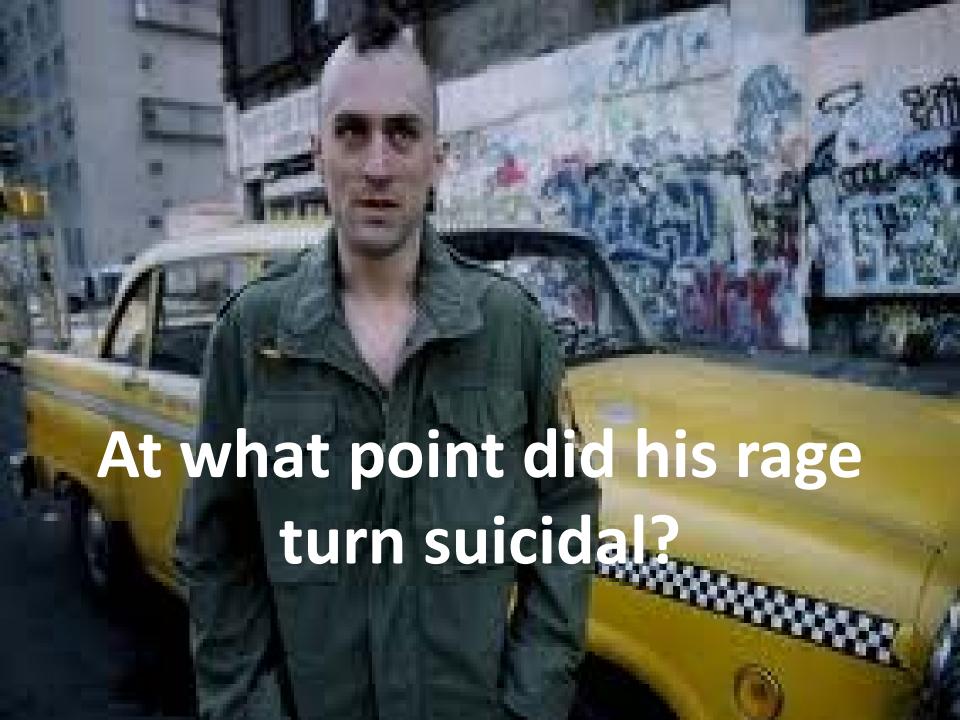






Did we know what to ask?





Establishing the Hierarchy of Violence



Level of Intent



A Capacity to Act



Perception of a threshold being crossed



Presence of steps to facilitate a plan



Maintaining intent



Feeling alone



Establishing a Commitment to Action





What if Travis Bickel had a brain injury?

What would have happened?



Seeing himself as God's Lonely Man



Justifying the act

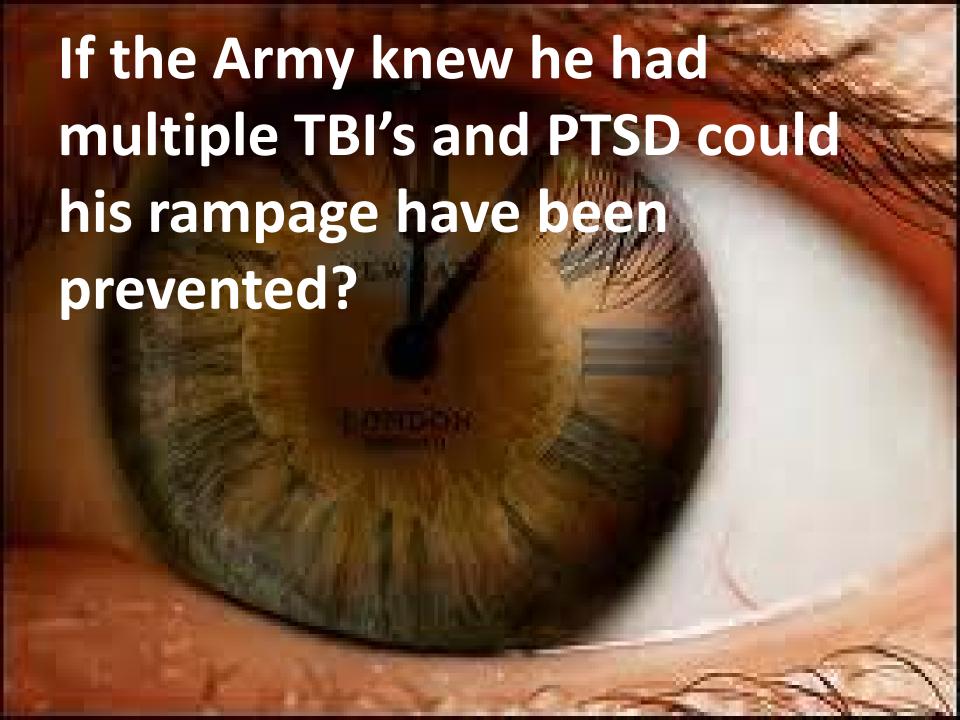
"He needed a killing" "Somebody ought to" "I don't care what anybody thinks" "You don't know what I think" "You can't know what I feel" "You don't know what I'm capable of" "I don't care anymore" "My life is over anyway"

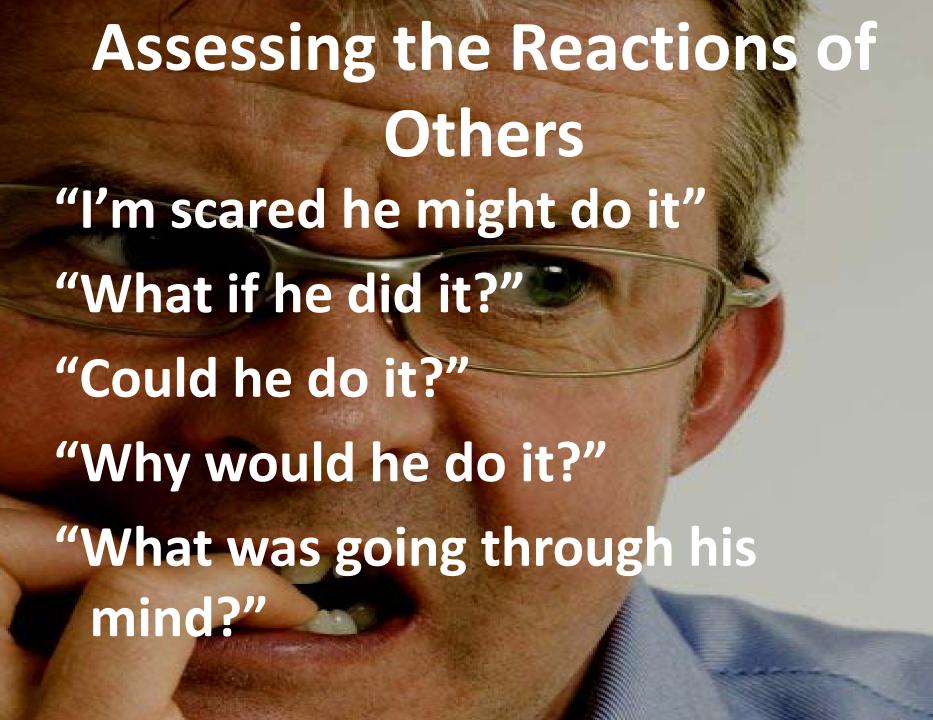
Is there a justification of violence?

Does the person consider the act as a valid response?









What are the circumstances which facilitate violence?



What is the emotional state which supports violence

Establishing the relationship and strength between feelings and behavior

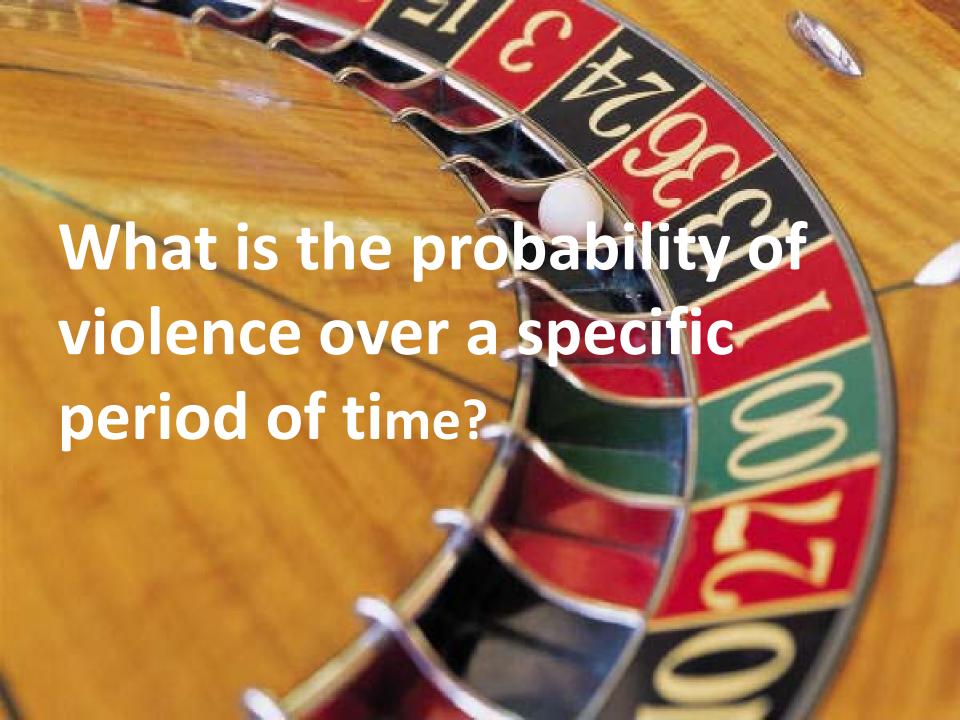


Keep "the benefit of the person foremost in our mind"

Bonger, B. 1991, The Suicidal Patient: Clinical and Legal Standards of Care, Washington, D.C., American Psychological Association.

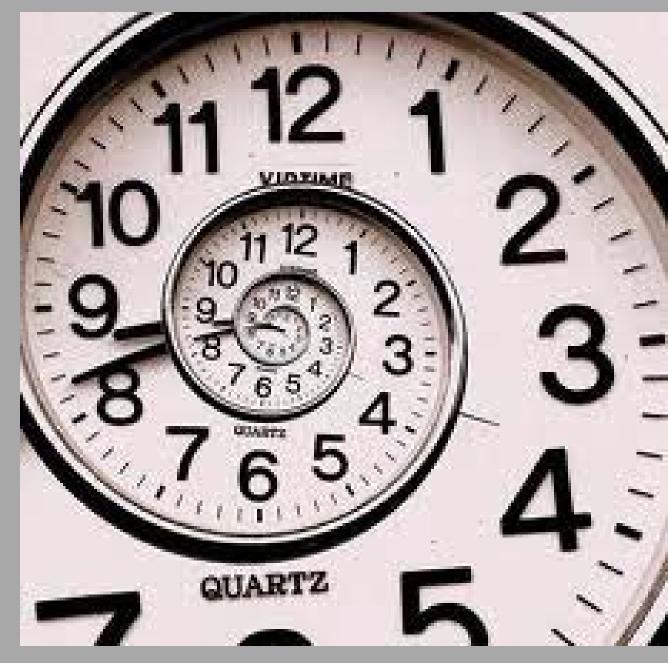






How long does risk last?

Can we reasonably predict when risk declines?





How will Executive impairments impact on risk prevention?



Perceived value of post-injury self
Ability to return to pre-injury social
role and activities

Quality of social network relationships Resiliency, flexibility and adaptability to changes

Perception of having personal social capital

The importance of self-perception

Role of social network integration

Maintenance of family and friends Access to supports and resources Significance of a "life worth living" Pursuing work and avocational activities **Enjoying recognition by others** Creating sense of self-worth and social capital

Who are the at-risk individuals?

- Males < 25 and > 65
- Individuals with prior ideation or attempt
- Veterans with undiagnosed mTBI
 - Veterans with undiagnosed PTSD
 - Veterans with mTBI and PTSD
 - Individuals with TBI and new situational stressors
 - Individuals with TBI and substance abuse problems
 - Individuals with TBI and psychiatric problems

What are the protective factors?



What's important?

Understand pre-morbid mental health issues



Consider the functional changes created by the brain injury



Pay attention to adjustment to disability issues



Dual diagnosis issues will influence risk potential



Focus on selfregulation of behavior and mood



Cognitive issues will effect response to treatment



Understand "Triggers"



Use an multi-disciplinary approach



Educate others about the risks



Social role return is an important aspect of understanding risk



Don't underestimate risk

Be aware of your "duty to warn"

Bottom Line:

Be prepared to take action

Obligations under Duty to Protect

Obligations under Duty to Warn

Key Aspects

- Related to hopelessness, perceived rehab failure, pre-injury life issues, life changes post-injury. Frey, 2001
- Behavioral changes, depression, diminished impulse control. Felicetti, 1991
- Global despair, apathy, emotional dysregulation. Morton, 2000
- Social withdrawal and isolation. Sugarman, 1999
- Sub-syndrome mood disorders. Sugarman and Hartman, 1998
- Deficits in self-regulation and control. Barkley, 1998 and Diller, 1999
- Relationship of social reintegration with cognitive recovery.
 Bond, 1975

Resources

- Suicide Probability Scale, Cull, J and Gill, W. Western Psychological Services Press, 1988
- State Trait Anger Inventory -2 (STAXI-2), Spielberger, C.
 Psychological Assessment Resources, 1999
- Overt Behaviour Scale, Kelly, G. The Center for Outcome Measurement in Brain Injury, 2010
- VA Pocket Suicide Guide, Employee Education System, Department of Veteran Affairs, 2007
- Warning signs for suicide. Rudd, MD, Berman, AL, et al, in Suicide Life Threatening Behaviors. 2006; (3): 255-262
- Suicidality after traumatic brain injury. Simpson, G, Tate, R. Psychol Med. 2002; 32: 687-697



this presentation can be found at:

traumaticbraininjury.net under "Resources"

Disclosure: Rolf B. Gainer, Ph.D. has business relationships with the Neurologic Rehabilitation Institute of Ontario, the Neurologic Rehabilitation Institute at Brookhaven Hospital, Community Neuro Rehabilitation of Iowa and Rehabilitation Institutes of America. The NRIO Outcome Validation Study is supported by the Neurologic Rehabilitation Institute of Ontario, the NRI Outcome Validation Study is supported by Brookhaven Hospital and the CNR Outcome Study is supported by Community Neuro Rehabilitation of Iowa.

Thank you! Questions?