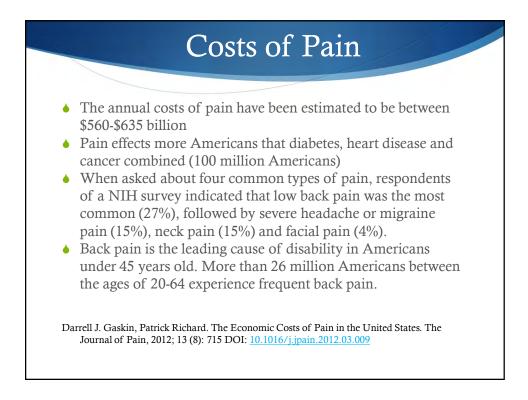
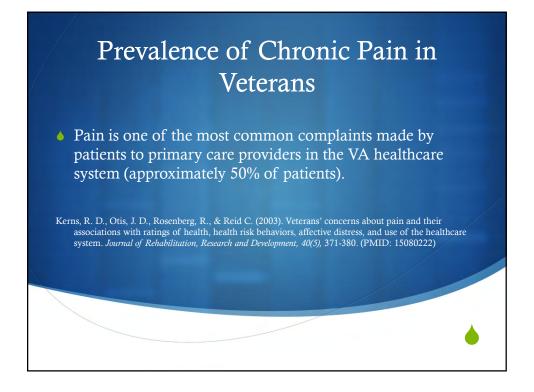


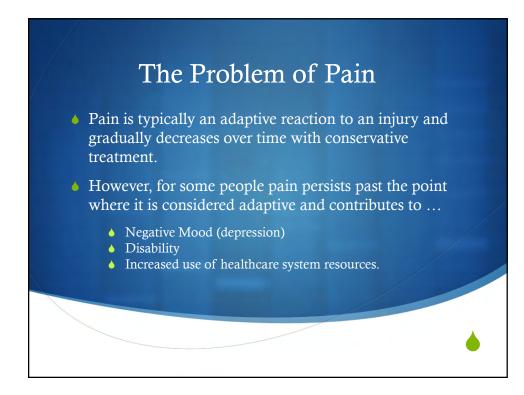
What is Chronic Pain?

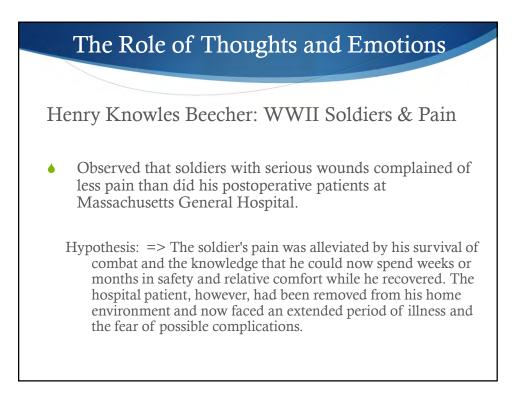
- Pain is defined as an unpleasant sensory and emotional experience associated with actual or potential tissue damage, or described in terms of such damage (IASP, 1994).
- Chronic pain = Pain with a duration of 3 months or greater that is often associated with functional, psychological and social problems that can negatively impact a persons life.

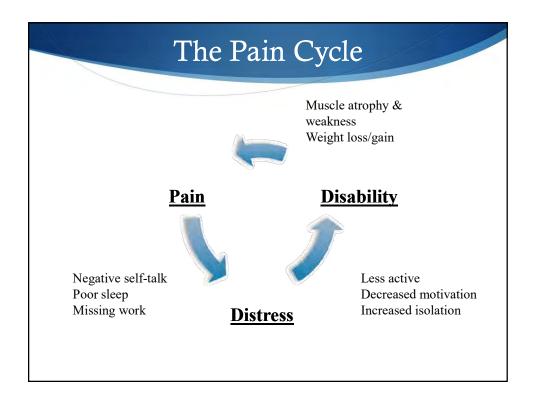


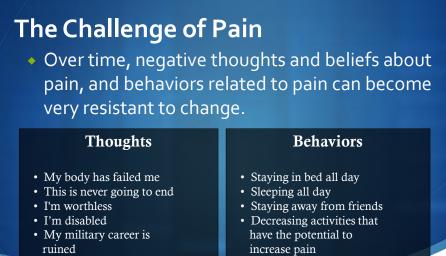












- I'm a bad parent, spouse, and provider
- Taking more medication
- than prescribed



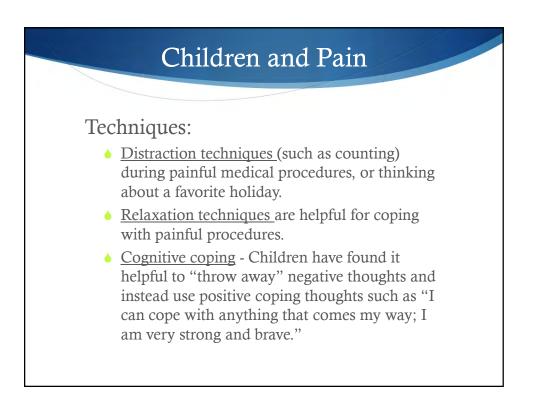
- CBT has been found to be effective for a number of chronic pain conditions, including headache, rheumatic diseases, chronic pain syndrome, chronic low-back pain, and irritable bowl syndrome.
- Significant evidence base supporting the use of CBT for chronic pain management
 - Hoffman, Papas, Chatkoff, & Kerns, (2007)
 - Otis, Sanderson, Hardway, Pincus, Tun, & Soumekh (2013)
 - Buhrman, Syk, Burvall, Hartig, Gordh, & Anderson (2014)

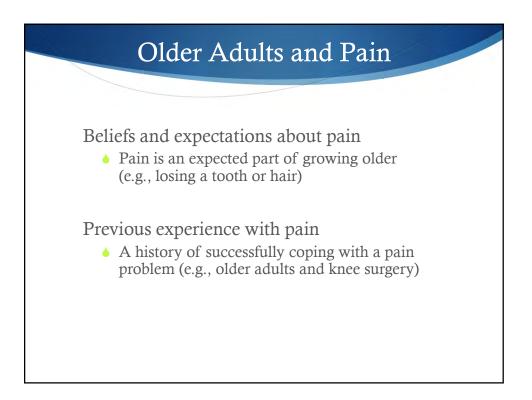


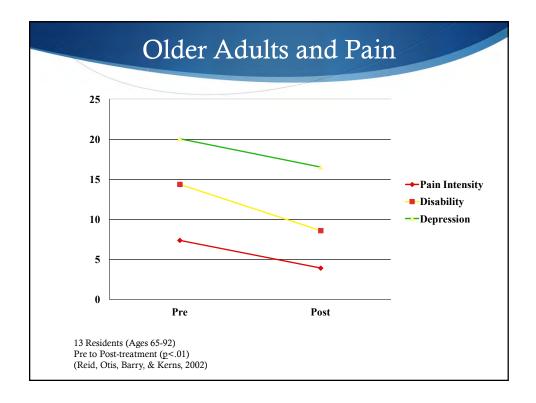
<u>Session 1</u>	Education & Treatment Rationale
<u>Session 2</u>	Theories of Pain, Breathing
Session 3	Relaxation Training
Session 4	Cognitive Errors
Session 5	Cognitive Restructuring
<u>Session 6</u>	Stress Management
<u>Session 7</u>	Time-Based Activity Pacing
Session 8	Pleasant Activity Scheduling
<u>Session 9</u>	Anger Management
Session 10	Sleep Hygiene
<u>Session 11</u>	Relapse Prevention

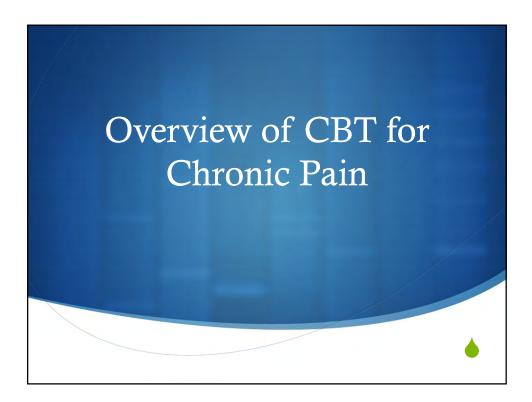
Children and Pain

- Children's pain is more plastic than that of adults, such that psychosocial factors may exert an even more powerful influence (McGrath & Hillier, 2002).
- Parents' response to children's expression of pain can either further exacerbate or reduce the child's perception or expression of pain.
- The ultimate goal of cognitive-behavioral strategies is to help children have concrete tools to cope with their experience of pain so that developmentally appropriate activities can resume.









Overcoming Obstacles to Engagement

"My pain is is my back, not in my head"

"You all think I'm crazy"

"No one thinks my pain is real"

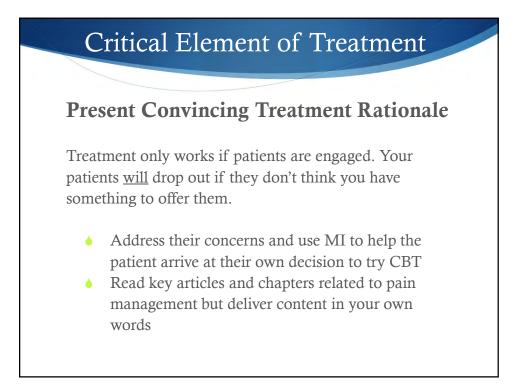
"I tried this before"

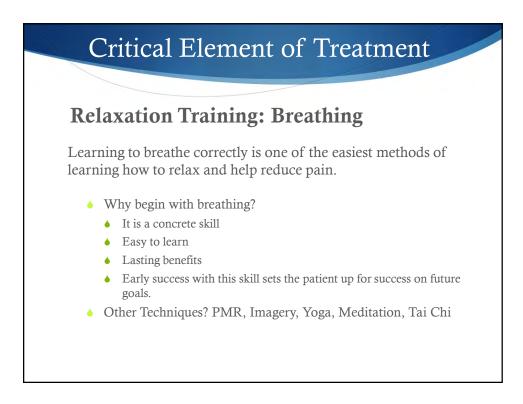
"This is not going to work for me"

"I haven't got time for this"



"If my provider would give me the medications I want I would be fine"



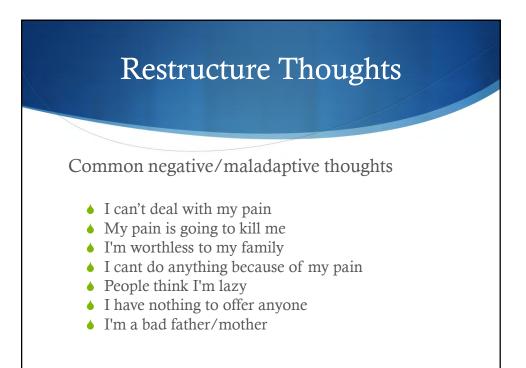


Critical Element of Treatment Challenge Negative Thinking Goals: Recognize cognitive errors and maladaptive thoughts, challenge those thoughts, and substitute more adaptive ones. Create a more balanced way of thinking in order to reduce negative emotions that contribute to the experience of pain. Tips: Not all thoughts are accurate You can control the way you think

Identify Cognitive Errors

- Start by stating that we all do these to some extent, but its important to be aware if there are some that we do more than others.
- Review these one at a time with the patient.
- You can take turns reading them or ask the patient to read them aloud.
- Check off ones that apply

- All-or-nothing thinking: When you see things in all-or-nothing categories. For example, if your performance falls short of perfect, you see yourself as a total failure.
- Overgeneralization: When you see a single negative event as a never-ending pattern. For example, if you do not do well at one thing, you think you are not good at anything.
- Menual filter: When you pick out a single negative detail and dwell on it exclusively, so that your vision of all reality becomes darkened. A good metaphor is a drop of ink that discolors the entire glass of water.
- 4. Disqualifying the positive: When you reject positive experiences by insisting they "dark count" for some reason or another. In this way, you can maintain a negative belief that is contradicted by your everyday experience.
- Jumping to conclusions: When you make a negative interpretation of an event even though there are no definite facts that convincingly support your conclusion
 - a. Mind reading: When you arbitrarily conclude that people are reacting negatively to you, and you do not bother to consider other possible explanations for their behavior (e.g., they are tired, they had a rough day)
- b. The fortune-teller error: When you anticipate that things will turn out badly, and you feel convinced that your prediction is an already established fact. This prediction may in turn affect your behavior, making it a self-fulfilling prophecy.
- Binocular vision: When you distort information in a way that no longer allows you to view the situation realistically
 Magnification: When you exaggerate the importance of
 - things (such as your goof-up, or someone else's achievement)
 Minimization: When you inappropriately shrink things (such as your own positive qualities or someone else's imperfections) until they appear tiny
- Catastrophizing: When you predict extreme and horrible consequences to the outcomes of events. For example, a turndown for

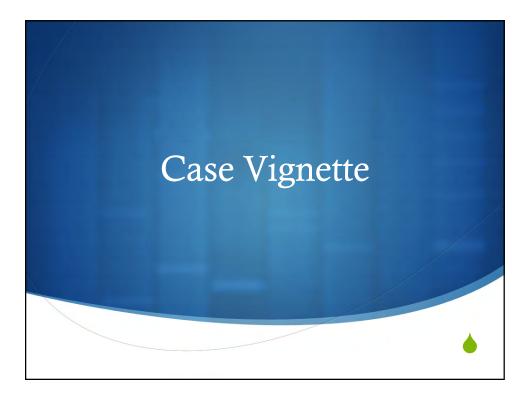


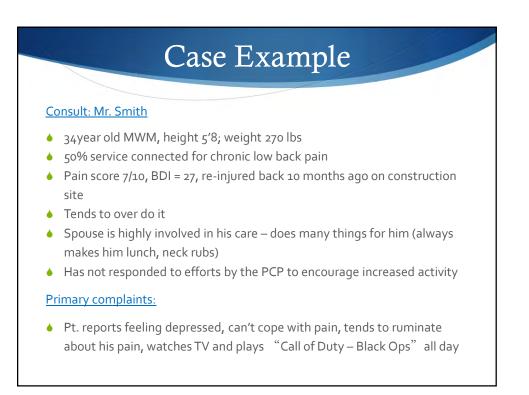
Situ ation	Emotion	Automatic Thought	Evidence for	Evidence against	Positive Coping Thought	Emotion
Describe the event that led to the unpleasant emotion.	Specify sad, angry, etc., and rate the emotion from 0% to 100%.	Write the automatic thought that preceded the emotion.	What is the evidence that this thought is true?	What is the evidence that this thought is fake?	What else can I say to myself instead of the automatic thought?	Re-rate the emotion from 0% to 100%.
4 pain flare-up on a busy day.	Depressed 60% Frustrated 50%	l can't cope with my pain; my life is miserable.	There is too much going on today. I feel overwhelmed and I'm not getting. my work done.	I have had busy days before when I've been in pain and I was able to handle my pain and all my responsibilities well. I'm usually very productive. My life isn't all bad (I have a great family).	Not every day is this hectic and some days are good. I have made it through very hectic days before and I can do it again.	Depressed 25% Frustrated 30%

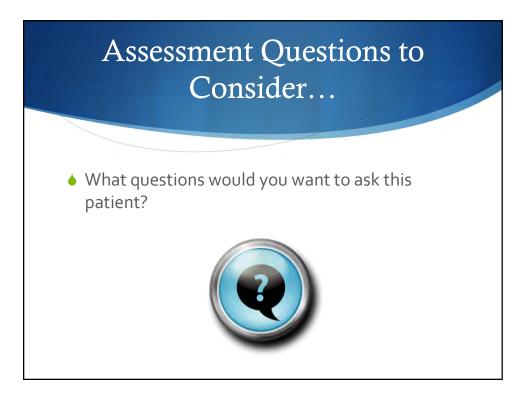


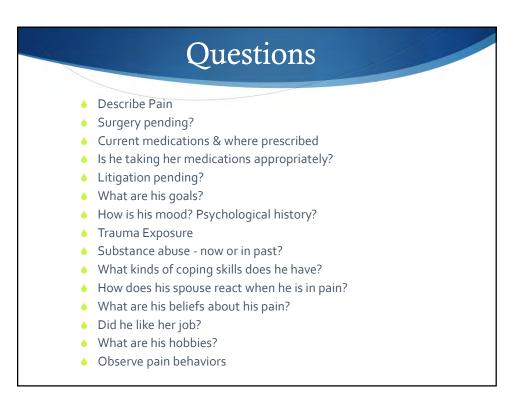




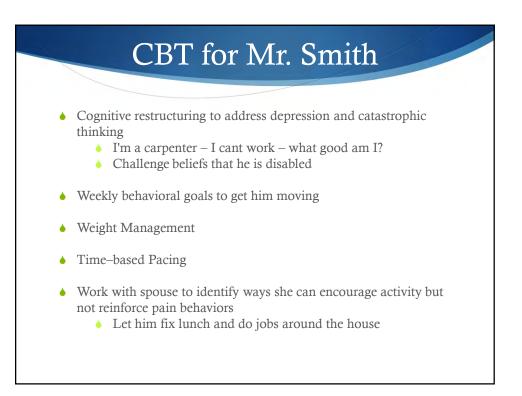






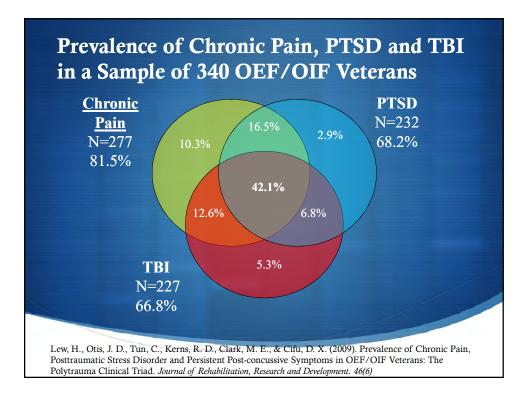






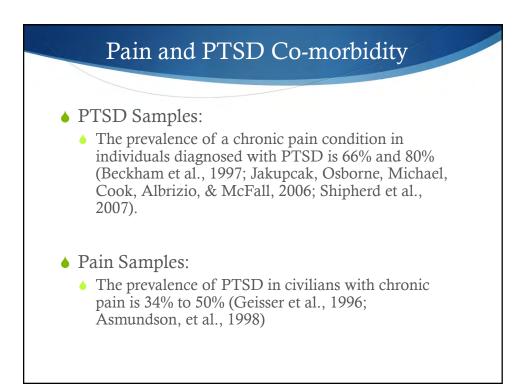






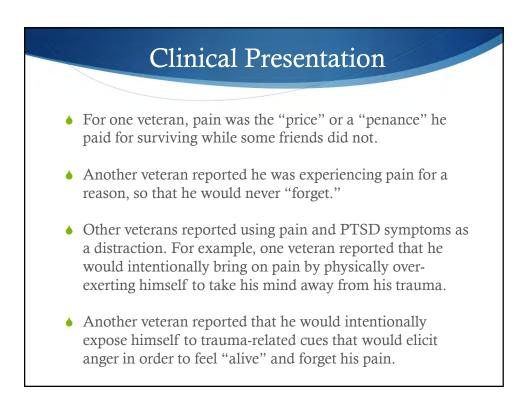
Co-Morbidity: Pain and Trauma

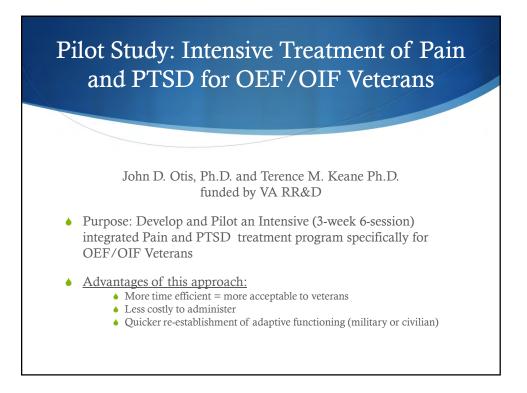
- Pain can result from a number of sources including occupational injuries, motor vehicle accidents, or injury related to military combat.
- This has led to a growing interest in the interaction between pain and PTSD, as research and clinical practice indicate that they frequently co-occur and can interact in such a way to negatively impact the course of treatment for either disorder.

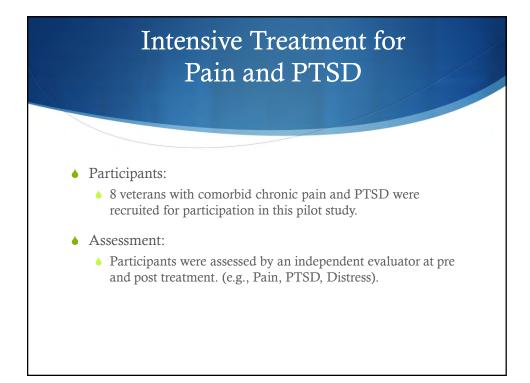




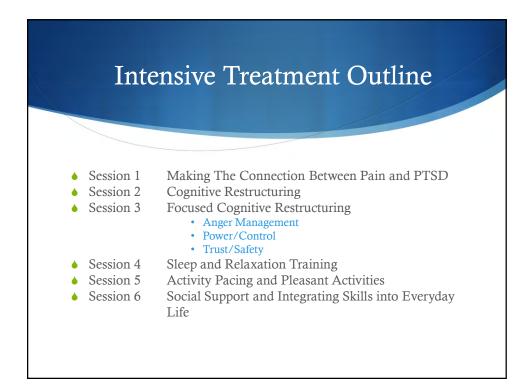
- "When ever I'm laying in bed at night and my shoulder starts hurting, I start having thoughts of when I was shot."
- "When I think about the day our Humvee was hit I can feel the pain in my back flare up right where I was hurt."
- "Pain is like a barnacle on my hull it keeps reminding me of what I went through."
- "I tried my PT exercises but the pain started increasing and I started thinking about what I saw and heard in Iraq so I just said the heck with it and called it quits for the day."











Results							
Paired Comparison t-tests on Mean Pre to Post-treatment Outcome Measure Scores							
Outcome Measure	Pre- treatment	Post- treatment	Sig (2 tailed)				
Pain Numerical Rating Scale	30.57	25.85	.09				
Beck Depression Inventory	23.14	16.28	.04				
Clinician Administered Assessment of PTSD (CAPS)	72.13	59.13	.03				
Anxiety Sensitivity Index	35.50	24.80	.18				
Pain Catastrophizing Scale	30.14	18.86	.05				

Results: Qualitative data obtained from Perception of Treatment Questionnaire

- "This has been great, you have given me some tools that I can really use"
- "I'm doing things I haven't done in a long time, I needed this."
- "Dr. Otis and his staff have a great project going. It helped me to sort things out and manage my pain and PTSD."
- "It probably should be made required for ALL Vets returning from combat/overseas situations, as a 'down-time' adjusting period."

