

THE USE OF COGNITIVE BEHAVIORAL THERAPY ON PATIENTS WITH CHRONIC PAIN IN HOME HEALTH PHYSICAL THERAPY: A SYSTEMATIC REVIEW

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Definitions cont.	5
 Cognitive behavioral therapy or CBT A non-pharmacological way to manage pain that uses specific techniques to teach patients how thoughts, beliefs, attitudes, and emotions influence pain Techniques include: Deep breathing Imagery Activity Pacing Progressive Muscle Relaxation⁴ 	ALLENNSTIN MILLEN BORES





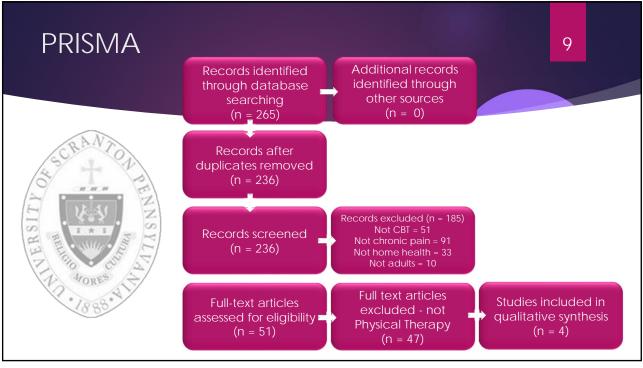
Methods

- Four databases were searched for articles that were published after 2008 in English and were peer-reviewed
 - CINAHL, Health Source, PubMED and ProQuest
 - Search terms: "home health" or "home care" and "cognitive therapy" or "behavioral therapy" and "pain" or "pain management"

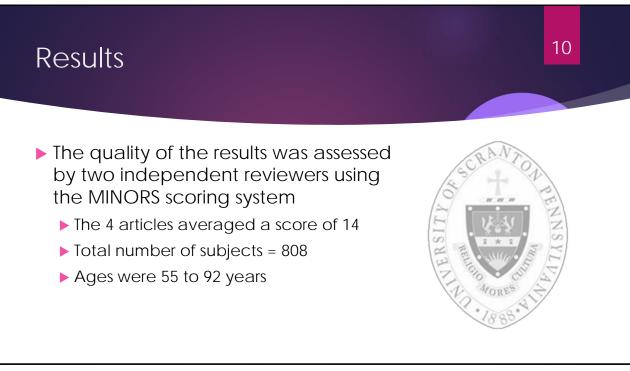


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MINORS Scoring				11
Category	Bach et al	Beissner et al	Carrington Reid et al	Cederbom et al
Clearly stated aim	2	2	2	2
Inclusion of consecutive patients	2	0	2	2
Prospective collection of data	1	1	2	2
Endpoints appropriate to aim of study	2	0	2	1
Unbiased assessment of study endpoint	0	0	1	2
Follow-up period appropriate to aim	1	0	2	1
Loss to follow up less than 5%	1	1	1	1
Prospective calculation of study size	1	0	2	1
Additional criteria in cor	nparative studie.	s		
An adequate control group			2	2
Contemporary groups			2	2
Baseline equivalence of groups			2	2
Adequate statistical analysis			2	2
Total Score	10/12	4/12	22/24	20/24

Results

- When used as an adjunct for 60 days, a significant improvement in pain intensity, function and disability was found (p<0.0001)⁴
- Success with CBT in 80% of patients with muscle relaxation and activity pacing⁴
- Therapist assessment of its use^{5,6}
 - Comfortable after 1 month of training
 - 81% used activity pacing
 - Only 12-16% used imagery
 - ▶ 84% were interested in learning more

Results

- Improved self-efficacy with exercises but not a significant impact on pain management⁷
- Limitations reported by therapists were insufficient knowledge of CBT modalities reported by (59%) and issues with reimbursement (31%)⁸
- Feedback⁴
 - "You can use at least one of these techniques on your patients. There isn't any part that cannot be used at all."
 - "I think it's a good program. In home care it is difficult to apply because of the time constraints but it is doable"



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<page-header> Description State of the studies used in this review vary in design and specific study purpose Samples in each study were small and did not have specific CBT protocols to measure the outcomes of each



Recommendations

- Further research should be conducted to more specifically measure the efficacy of CBT interventions in addition with traditional PT services
- A more specific program for interventions should be developed in order to properly determine which techniques are the most effective



