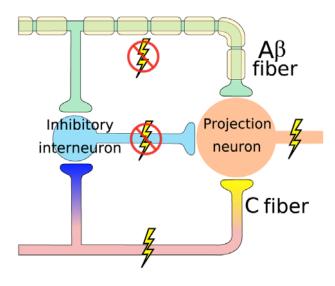


^{*} Response = \geq 0.5 SD drop in pain score

Mechanism of Action

Gate Control
Theory

Spotlight Theory of Attention





CLINICAL NEUROSCIENCE

A peer-reviewed journal providing evidence-based information

VOL. 14, NO. 1-2 JANUARY-FEBRUARY 2017

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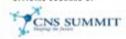
Risk Managemen

Risk Management Issues When Taking Locum Tenens Assignments



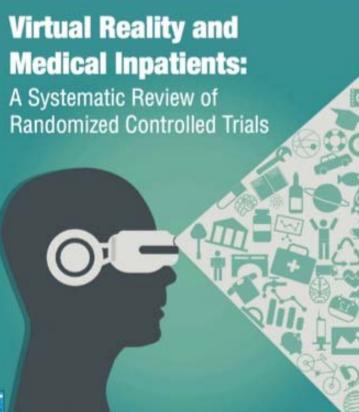


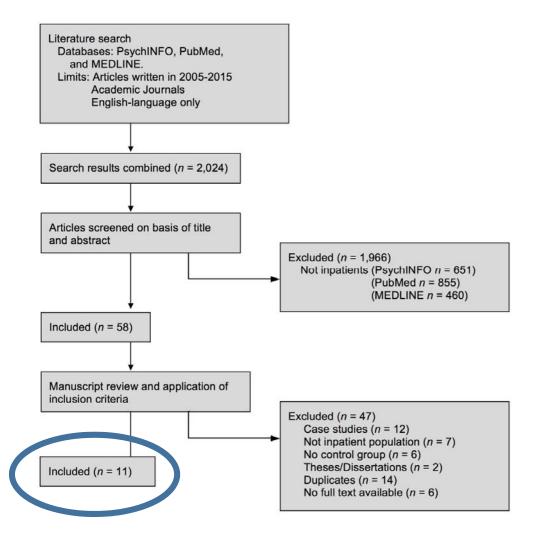
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Indication	N=Studies
Burn dressing changes	5
Obesity	2
Cancer pain	1
Physical trauma / injury	1
Stroke rehabilitation	1
Traumatic brain injury	1

Key Points

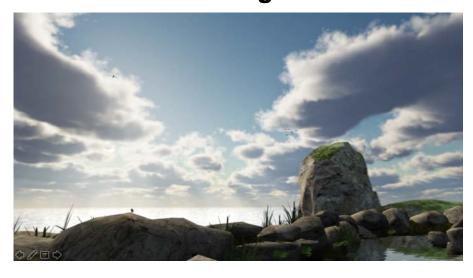
- VR effective in most studies
- Well tolerated in all studies
- Studies small and heterogeneous.
- Study quality is variable.
- Need larger, higher quality studies.

Dasca J, Reid M, IsHak W, Spiegel B, Recacho, Rosen B, Danovitch I. Virtual Reality and Medical Inpatients:

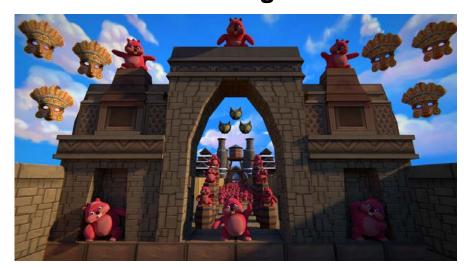
A Systematic Review of Randomized Controlled Trials. *Innov Clin Neuroscience*, 2017;1:14

Key Lesson VR can often help, but it can also harm

Case A: VR Treating a Panic Attack

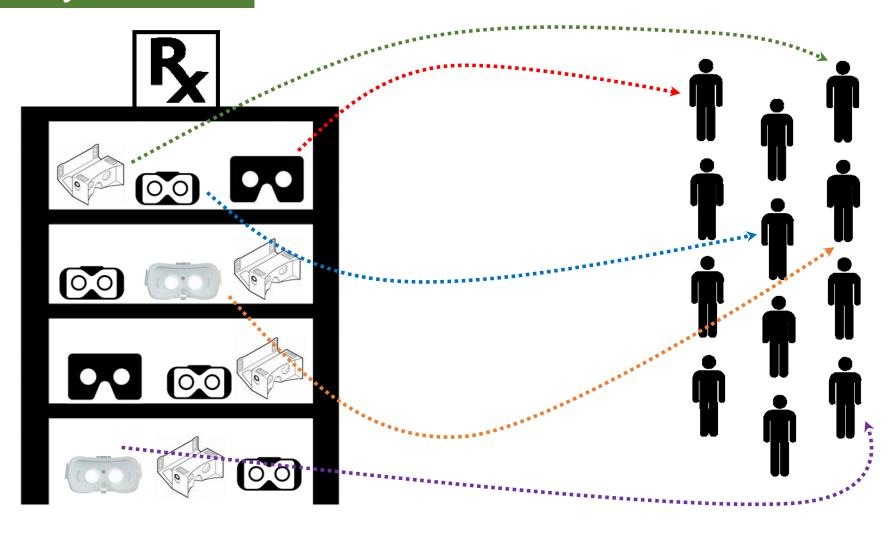


Case B: VR Causing a Panic Attack



Key Lesson

If VR is a therapy, then we need a "VR Pharmacy."



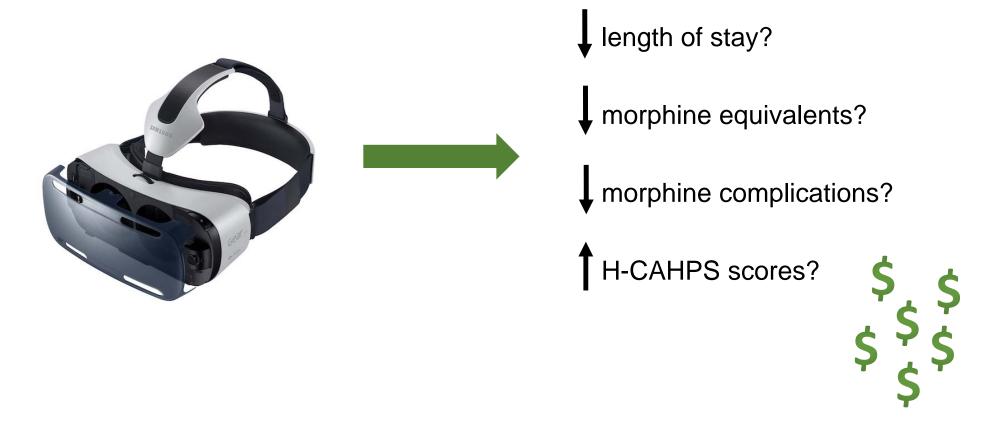






Key

VR has potential to be cost-effective.



Delshad et al. Digital Medicine (in press)



4.3M Views

61K Likes 2.5K Comments 36K Shares













Los Angeles Times

Keller et al

Original Paper

Public Perceptions Regarding Use of Virtual Reality in Health Care: A Social Media Content Analysis Using Facebook

Michelle Sophie Keller^{1,2,3}, MPH; Hannah J Park¹, BS; Maria Elena Cunningham¹; Joshua Eleazar Fouladian¹; Michelle Chen¹, BS, MPH; Brennan Mason Ross Spiegel¹, MSHS, MD

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United States

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Abstract

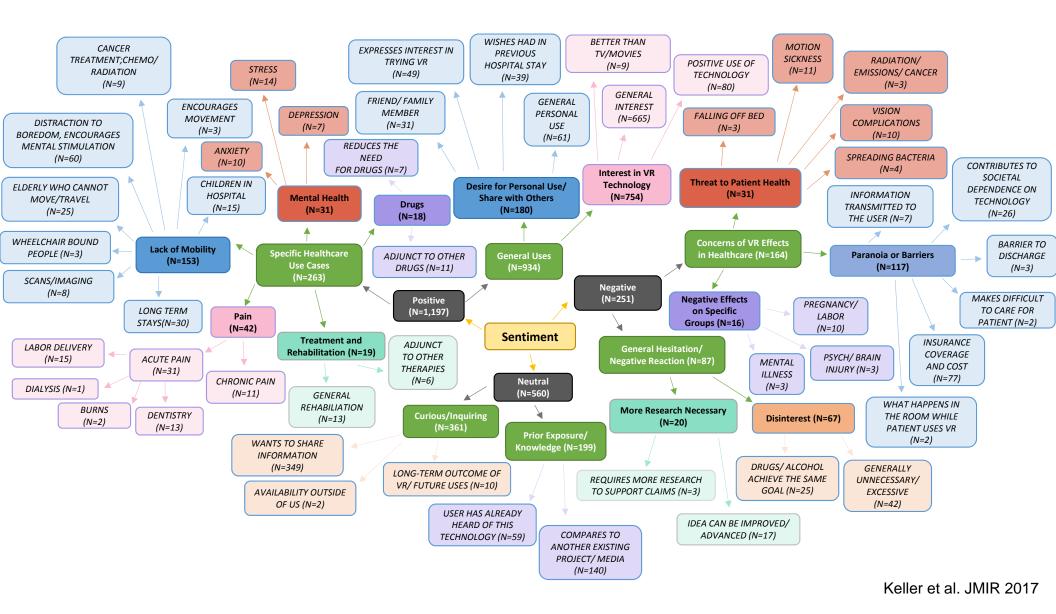
Background: Virtual reality (VR) technology provides an immersive environment that enables users to have modified experiences of reality. VR is increasingly used to manage patients with pain, disability, obesity, neurologic dysfunction, anxiety, and depression. However, public opinion regarding the use of VR in health care has not been explored. Understanding public opinion of VR is critical to ensuring effective implementation of this emerging technology.

Objective: This study aimed to examine public opinion about health care VR using social listening, a method that allows for the exploration of unfiltered views of topics discussed on social media and online forums.

¹ Cedars-Sinai Center for Outcomes Research and Education, Cedars-Sinai Medical Center, Los Angeles, CA, United States

²Division of Informatics, Department of Biomedical Sciences, Cedars-Sinai Medical Center, Los Angeles, CA, United States

³Department of Health Policy and Management, University of California, Los Angeles, Los Angeles, CA, United States



Los Angeles Times

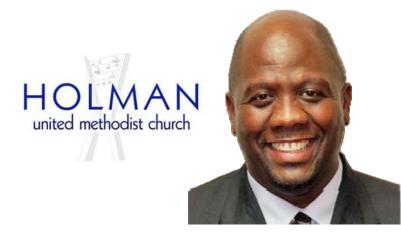
Can virtual reality reduce high blood pressure at a church in South L.A.?



Technician Ryan Anderson, center, helps Sodium Healthy Living Project participants Sandra Goldsmith, 74, left, and Blanche Ross, 83, use their mobile phones to view a virtual reality video telling them about different foods and their sodium content. (Luis Sinco / Los Angeles Times)









Announcing New Collaboration





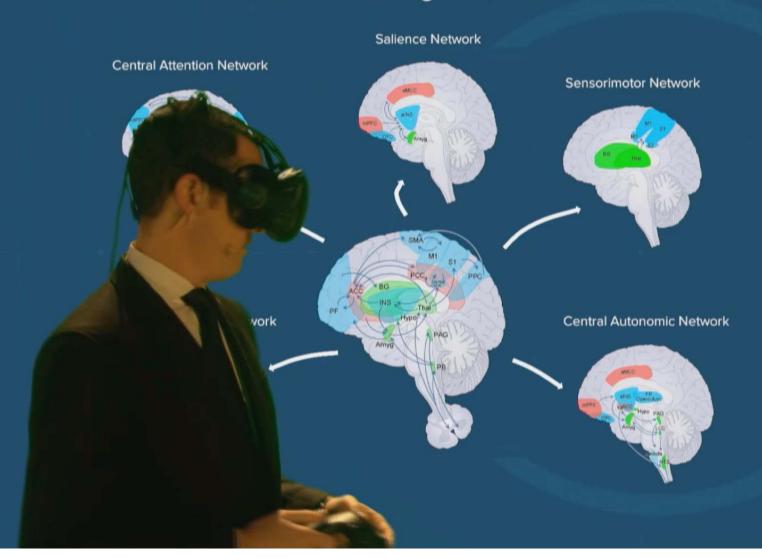








Brain Networks Contributing to Chronic Abdominal Pain



Clinical symptoms resulting from the various brain network inputs

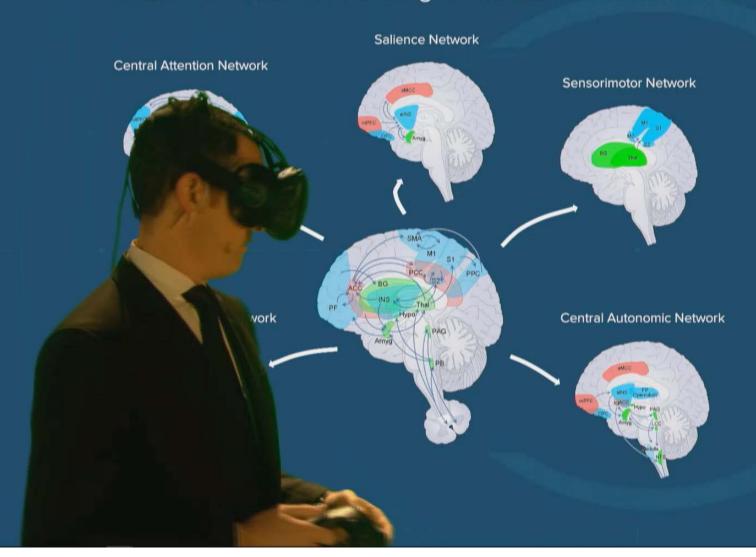
Brain

- · Chronic abdominal pain
- Anxiety
- · Poor coping

Gut

· Altered bowel habits

Brain Networks Contributing to Chronic Abdominal Pain



Clinical symptoms resulting from the various brain network inputs

Brain

- · Chronic abdominal pain
- Anxiety
- · Poor coping

Gut

· Altered bowel habits

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