

# Improve Adherence By Reducing Injection Pain - New Study Shows 74% Less Pain With Buzzy Device

*Buzzy vibration and Cool-Pulse™ neuromodulation technology significantly reduced adult intramuscular injection pain*

ATLANTA, GA, UNITED STATES, December 6, 2018 /EINPresswire.com/ -- Millions of adults suffer from chronic diseases that are managed with injectable medications. Many of those patients either skip injections or consistently delay [injecting](#) the drug as prescribed. Research by Frost & Sullivan shows that reducing pain is a key to adherence. A new [study](#) out in November demonstrates a fast, inexpensive device that is widely used for intramuscular injections in hospitals and homes may change that.

Buzzy, manufactured by Pain Care Labs, is a vibrating ice pack used in over 5,000 hospitals and clinics to physically block needle pain. Last year, the company won the prestigious Frost & Sullivan "Local Pain Relief" technology leader award. In large independent [studies](#), Buzzy has been proven equivalent to both the leading topical anesthetic and virtual reality. Initially intended for children, Buzzy is twice as effective as cold spray at stopping needle pain, with the most pronounced impact for adults. A new adult study shows even greater promise for IM injections.

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Hospitals & global pharmaceutical cos. are giving patients Buzzy to improve adherence. This new study showing improved adherence and pain reduction supports a simple intervention to improve health.”

*Amy Baxter MD, CEO & Chief Medical Officer, Pain Care Labs*

hope that drug manufacturers will consider needle pain in the patient journey toward health. “Adherence fuels patient health, but patients may not directly mention pain or fear as a barrier.



This new study by Şahin M and Eşer İ randomized 65 adult patients receiving diclofenac sodium intramuscularly to receive Buzzy or standard care. Buzzy reduced injection pain 74%, with significantly increased patient satisfaction. Pain in the Buzzy group (n=33) was 4.67, while pain in the control group (n=32) was 17.69, p=.000. Satisfaction in the Buzzy group was 94.82, compared to 85.06 in the control group, also p=.000.

Dr. Amy Baxter, inventor of the Cool-Pulse™ neuromodulatory technology that powers Buzzy, expresses

Offering Buzzy is a simple, affordable adjunct to any injection regimen. When patients become more compliant, you know pain and fear were factors."

#### About Pain Care Labs

Founded in 2006 by pediatric emergency doctor and pain researcher Amy Baxter MD FAAP FACEP, Pain Care Labs is on a mission to eliminate unnecessary pain. Using the physiologic technique of "gate control", the devices block pain by stimulating the motion nerves (like TENS units) and cold nerve feedback system. Instead of electric shocks, Pain Care Labs determined the frequency that naturally stimulates the motion nerves with comfortable vibration. Unique intense ice packs reduce inflammation and add a powerful inhibitory pain relief called Descending Noxious Inhibitory Control. The company's

award-winning first device, Buzzy for Shots, created a new category of pain reliever. In 2017 the company was awarded the "Industry Leader in Local Pain Relief" from Frost & Sullivan. Buzzy is used worldwide and has blocked pain from over 31 million needles. VibraCool is used for athletic and post-operative pain. New DuoTherm Vibrating Back Pain reliever will be introduced at CES this January. See other projects and company information at <http://www.paincarelabs.com>.

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