# Controversies in Pain Management: Enhancing Educational Approaches for Healthcare Providers VTC

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# Introduction

Pain management is a complex and evolving field that faces numerous controversies, which can hinder effective treatment. These challenges highlight the need for a comprehensive educational framework to improve provider training in pain management. This project focuses on the development of educational innovations to address these issues and foster more informed, effective care.

# Methodology

We analyzed current challenges in pain management from an acute inpatient pain consultant's perspective. Emphasis was placed on identifying gaps in provider education and proposing curriculumbased solutions. A structured review of existing pain management guidelines was conducted, examining their impact on provider training and patient outcomes.

# Results

Several key issues emerged, including the insufficient training of healthcare providers across various disciplines, misconceptions surrounding the opioid epidemic, regulatory hurdles, and restrictions imposed by insurance companies. These factors contribute to suboptimal pain management practices and necessitate a standardized, interdisciplinary curriculum.

## Discussion

#### Insufficient Education

- Primary care physicians are frequent opioid prescribers; however, they do not receive basic training in pain management
- Efforts should focus on developing interdisciplinary consensus guidelines with global applicability and establishing standardized minimal training for all providers who manage pain.

#### **Opioid Epidemic Misconceptions**

- Misunderstandings about opioid prescribing have led to both overprescription and under prescription, leaving many patients with poorly managed pain.
- Education should clarify safe opioid use and emphasize individualized treatment plans.

#### **Regulatory Constraints**

- Strict opioid regulations complicate pain management, creating confusion for providers.
- Training must cover how to navigate these • rules while maintaining appropriate care for patients.

#### Insurance Restrictions

- Insurance limitations on non-opioid treatments hinder comprehensive pain management.
- Providers need education on advocating for alternative therapies and navigating insurance barriers

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## Conclusion

Our findings emphasize the need for a unified, standardized pain management curriculum that spans multiple healthcare professions, including primary care, surgery, and psychiatry. Educational innovation in this area can address misconceptions about opioid prescribing and create a balanced approach to managing pain while preventing misuse. Effective pain management education must also address regulatory concerns and advocate for insurance coverage of essential treatments, such as compounding gels. The development of standardized, interdisciplinary training programs will help reduce the controversies in pain management, ensuring that providers can make informed, balanced decisions that prioritize patient well-being while complying with regulatory and insurance requirements.

### References

Kraus, M. et al. "Consensus and Controversies between Pain and Addiction Experts on the Prevention, Diagnosis, and Management of Prescription Opioid Use Disorder." J Addict Med, vol. 14, no. 1, 2020, pp. 1-11, Medline, doi:10.1097/ADM.000000000000577.

Davis, M. P. et al. "Controversies in Pharmacotherapy of Pain Management." Lancet Oncol, vol. 6, no. 9, 2005, pp. 696-704, Medline, doi:10.1016/S1470-2045(05)70317-X.

Eric Siu, Jesse Stewart & Girish P. Joshi "Pain Management for Ambulatory Surgery: Current Controversies and Concerns." Current Anesthesiology Reports, vol. 14, 2024, pp. 274-81, doi:https://doi.org/10.1007/s40140-024-00617-0.

Savage, S. R. "Preface: Pain Medicine and Addiction Medicine--Controversies and Collaboration." J Pain Symptom Manage, vol. 8, no. 5, 1993, pp. 254-6, Medline, doi:10.1016/0885-3924(93)90153-m.

Koppelman, Mel Hopper. "Acupuncture: Effective and Recommended but More Implementation Needed." Chinese Medicine and Culture, vol. 7, no. 1, 2024, doi:10.1097/MC9.000000000000093.

Sandro Graca a et al. ""Are We There Yet?" – Green Shoots of Progress in Acupuncture Implementation in Healthcare." European Journal of Integrative Medicine, vol. 69, 2024, doi:https://doi.org/10.1016/j.eujim.2024.102371.

Zeng, Roselind. "The United States of Acupuncture: An Assessment of Medicolegal Designation and Insurance Coverage's Impact on Us Practitioners." The UC Santa Barbara Undergraduate Journal of History, vol. 4, no. 1, 2024.