Paediatric Project ECHO® for Managing Pain in Children & Youth: Use of Simulation-Based Learning to Enhance Healthcare Providers’ Clinical Skills

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Background

What is Project ECHO®?
“Extensions for Community Healthcare Outcomes”
Project ECHO® is an innovative model for health professional education. Scan the QR code for more information about Project ECHO®.

Paediatric Project ECHO® for Pain
Goals of Pain ECHO Education Event (E3)
(1) For healthcare providers to develop core competency in paediatric acute and chronic pain management.
(2) To incorporate simulation-based learning to promote skills development.

Study Objective

To evaluate the two-day ECHO E3 in terms of:
- Acceptability and satisfaction;
- Changes in healthcare provider knowledge and self-efficacy.

Methods

- Prospective, mixed-method study with repeated measures (post-E3, 6M and 12M).
- Data collection managed via REDCap.
- Study approved by local Research Ethics Board.

Results

Participant Demographics

Scan the QR code for complete and interactive study results.

Change in Knowledge

For my scope of practice, I currently have an appropriate level of knowledge to...

- Perform a pain assessment for a complex patient
- Create a pain care plan with an interdisciplinary team
- Manage acute procedural pain and sedation

Results (Continued)

Change in Self-Efficacy

For my scope of practice, I feel confident in my ability to...

- Perform a pain assessment for a complex patient
- Create a pain care plan with an interdisciplinary team
- Manage acute procedural pain and sedation

Conclusions

- E3 participants report moderate-to-high acceptability and satisfaction with simulation-based learning.
- Increases in knowledge and self-efficacy were observed post-E3 and at 6M.

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