Statewide Collaboration to Deliver and Evaluate Simulation-based Pediatric Education for Emergency Medical Services Providers

FORGING NEW Pallas Adapting and ALL-GRANTEE MEETING

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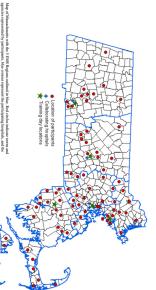
Massachusetts Emergency Medical Services for Children



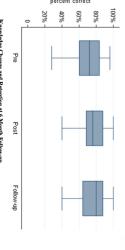
METHODS

- EDs through EMSC-sponsorship We created a multi-center collaborative between academic pediatric
- Each EMS region was paired with a PED
- Developed a simulation-based pediatric curriculum
- Administered five 8 hour training days offered over 6 months
- study with a pre-post assessment design to evaluate the impact of the We performed a prospective, interventional, single-arm educational

curriculum on prehospital provider knowledge and confidence



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Knowledge: Change and Retention at 6 Month Follow-up Box plots represent scores on the knowledge assessment at the pre-training, post-training, and follow-up intervals. The lines are the median scores, the boxes are the 23th and 75th percentiles, and the whiskers are the upper and lower adjacent values.

CONCLUSIONS

- Utilizing EMSC partnerships to foster a statewide collaboration, we delivered a targeted simulation-based pediatric curriculum for prehospital providers throughout the state
- Participants demonstrated improvement in knowledge and confidence caring for pediatric patients
- Follow-up data suggest that knowledge and skills obtained as part of the curriculum were able to be translated into practice

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