



# Emergency Medicine Residency EMS Education



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## Problem Identification

Structural changes to the residency presented an opportunity to revise resident EMS education  
 An EMS fellowship was initiated, presenting new opportunities for expanded education  
 Residency leadership, EMS faculty and residents requested improved resident EMS education

## Needs Assessment

Individual interviews with residency and EMS fellowship program leaderships  
 Listening session with select graduating residents to review experience with legacy structure and suggestions for targets for future improvements  
 Formal session specific to the EMS experience held during annual residency program planning session  
 Surveys not performed due to institutional moratorium

## Goals and Objectives

- Upon completion of this activity, learners will be competent to:
- Provide appropriate medical direction during on-line medical consultation calls (OLMC)
  - Receive handoff from, and provide appropriate feedback and education to, EMS providers
  - Safely select the appropriate level of care and mode of transport for an interfacility transfer

## Charts

**Select notes from formal EMS experience review during needs assessment**

Sometimes feel like an “afterthought” of shift scheduling -- last minute *start of what to do*

Diversity of experiences

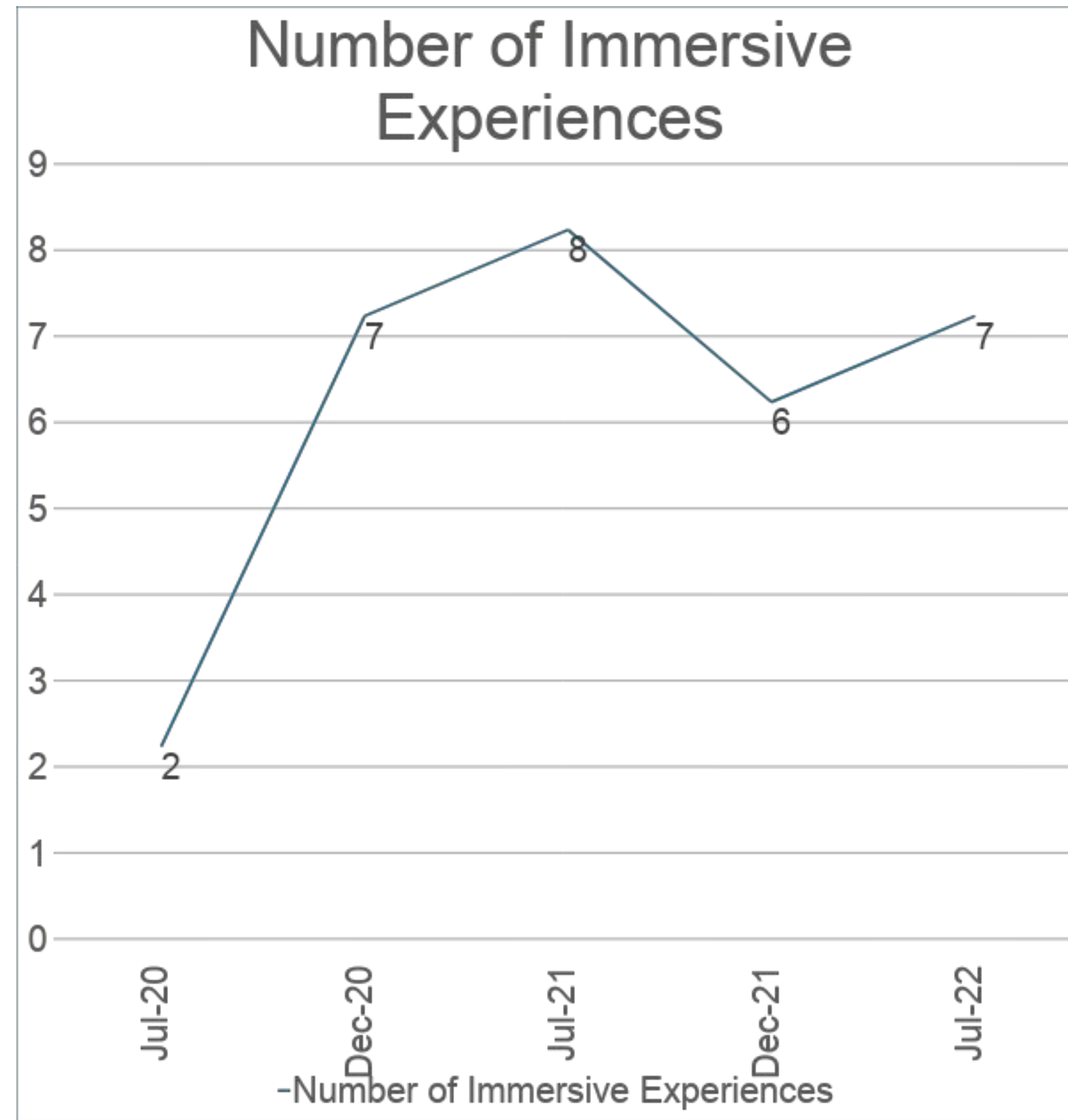
Very enjoyable, good *is good* triaging and observing what EMS

Great to incorporate 2nd and 3rd years for resident education, *More time with EMS*

Feedback/thanks *Better highlight “Why” this is valuable to residents to* from crews to residents after the *lete*

Bring tactical medicine to residents (outside) if *lete*

Official EMS-interest track if interested in medical direction and other things



**Example iterative changes**

Senior residents concerned with diminishing value of ALS ride alongs

Institution of “station shift”: residents interact with crews in quarters

Reorganized scheduling process to maximize EMS physician ride alongs

Identified need for exposure to paramedic education

Incorporated senior residents into paramedic scenario-based education

Developing program for residents to teach at paramedic school

Identified need for OLMC education

Instituted group OLMC reviews to discuss actual calls

## Educational Strategies

- Didactics: Sessions during residency didactics discussing EMS fundamentals, as well as case-based discussions regarding OLMC
- Immersive experiences: Multiple and varied experiences to expose residents to various facets of EMS and prehospital medicine
- One-on-one sessions: Residents ride-along with EMS faculty or EMS fellow for individualized instruction

## Implementation

- Didactics restructured and organized around articulated objectives
- Immersive experiences iteratively added, altered, or removed based on feedback from both learners and facilitators
- Logistics around scheduling identified as major challenge to implementation, leading to reorganization of administrative processes

## Evaluation

- Informal and formal feedback from learners and facilitators continues to be sought, but has largely been positive and constructive
- Implementation continues with ongoing iterative changes
- Branching project to build advanced EMS track based on success of this program is underway