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Co-development and execution of a group QI project to meet ACGME QIPS requirements in the Department of Pediatrics

Kelsey Fath, MD; Lanier Lopez, MD; Anjali Subbaswamy, MD; Alfonso Belmonte, MD; Rebecca Craig, MD; Adam Cross, MD; Anna Duran, MD; Maria Heubeck, MD; Stephen Lunderman, MD; Elizabeth Yakes Jimenez, PhD, RDN, LD

**Department of Pediatrics, University of New Mexico Health Sciences Center, Albuquerque, NM**

### Background
The Accreditation Council for Graduate Medical Education (ACGME) requires quality improvement (QI) and patient safety (QIPS) education for trainees, and faculty development in QIPS for residencies.

### Methods
- Over the course of four Resident School lectures and several continuity clinic interactions, residents are being introduced to QI topics and tools:
  - Model for Improvement
  - Key Driver Diagrams
  - Cause and Effect Diagrams
  - PDSA Cycles
  - Run Charts

- Residents and faculty are applying QI concepts by co-designing and executing a group QI project

- To incentivize participation:
  - Project has IRB approval (HRRC #20-004) to allow for faculty and residents to publish and present the results
  - Maintenance of Certification (MOC) credits will be offered for interested faculty and residents that actively participate in the project

### Project Design - Model for Improvement

<table>
<thead>
<tr>
<th>What are we trying to accomplish?</th>
<th>AIM: We will improve overall resident satisfaction with the pediatric patient discharge process at UNMH from an average rating score of 4.8 on a scale of 10 to an average score of 6 by February 2020.</th>
</tr>
</thead>
<tbody>
<tr>
<td>How will we know that a change is an improvement?</td>
<td>MEASURES: resident satisfaction, patient satisfaction, time to patient discharge, readmission rate</td>
</tr>
</tbody>
</table>
| What changes can we make that will result in improvement? | IDEAS FOR CHANGE:  
  - **1st priority:** developing standard language of depart summaries for 5 common discharge diagnoses  
  - **2nd priority:** translating depart summaries into Spanish 
  - Other ideas: medication reconciliation, access to the discharge summary, Powerchart upgrades, appointment scheduling and multidisciplinary collaboration |

### Project Timeline

<table>
<thead>
<tr>
<th>February</th>
<th>March</th>
<th>April</th>
<th>May</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resident survey</td>
<td>Resident survey</td>
<td>Resident survey</td>
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<tr>
<td>Data pull</td>
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</tbody>
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**PDSAs:**
- February: test depart summary with families
- March: health literacy
- April: translate to Spanish
- May: More PDSAs...
- Review of measures

### Conclusion
Thus far, co-development and execution of a group QI project has effectively engaged residents and faculty in the Department of Pediatrics in meeting ACGME requirements.