IM Residency Curriculum
Quality Improvement and Patient Safety
Program Director’s Retreat
January 23, 2018
IM residency QI and PS curriculum

• Goals and Objectives
• Key Concepts
• Mapping to ACGME goals
• Overview
• Challenges
IM residency QI and PS curriculum

• Goals and Objectives
• Key Concepts
• Mapping to ACGME goals
• Overview
• Challenges
Goals and Objectives

• Prepare physicians to be *leaders* in the practice of safe, high quality, patient centered medicine.

• Foster a *culture* that encourages proactive reporting, analysis, and innovation.

• Teach key *principles* of patient safety, quality improvement, and delivering high value care.
IM residency QI and PS curriculum

- Goals and Objectives
- Key Concepts
- Mapping to ACGME goals
- Overview
- Challenges
Key Concepts

Patient Safety
- Impact of medical error
- Error reporting
- Analysis of failures/Error reduction strategies

Quality Improvement
- Types of measures
- Analysis of care/Metrics
- Improvement methods

High Value Healthcare
- Systems and principles
- Value and Equity
- Politics and law
IM residency QI and PS curriculum

• Goals and Objectives
• Key Concepts
• Mapping to ACGME goals
• Overview
• Challenges
## Mapping to ACGME Milestones

### Practice Based Learning

<table>
<thead>
<tr>
<th>ACGME Core Competency</th>
<th>Developmental Milestone</th>
<th>NM Quality Curriculum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Learning and Improving via Audit of Performance</td>
<td>Improve the quality of care for a panel of patients</td>
<td>Analysis of Care/Metrics Types of measures Improvement methods</td>
</tr>
</tbody>
</table>
# Mapping to ACGME Milestones

## Systems Based Practice

<table>
<thead>
<tr>
<th>ACGME Core Competency</th>
<th>Developmental Milestone</th>
<th>NM Quality Curriculum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Works effectively with other care providers and settings</td>
<td>Works effectively within - Multiple health delivery systems - An interprofessional team</td>
<td>Systems and principles of high value care</td>
</tr>
<tr>
<td>Improving health care delivery</td>
<td>Recognizes system error and advocates for system improvement.</td>
<td>Impact of medical error Error reporting Analysis of Failure Error reduction strategies Improvement methods</td>
</tr>
<tr>
<td>Cost-effective care for patients and population</td>
<td>Practices cost-effective care</td>
<td>Value and equity Politics and law</td>
</tr>
</tbody>
</table>
## Mapping to ACGME Milestones

### Interpersonal and Communication Skills

<table>
<thead>
<tr>
<th>ACGME Core Competency</th>
<th>Developmental Milestone</th>
<th>NM Quality Curriculum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communicate effectively with physicians, other health professionals and health related agencies</td>
<td>Transitions of care</td>
<td>Handoffs</td>
</tr>
</tbody>
</table>

### Professionalism

<table>
<thead>
<tr>
<th>ACGME Core Competency</th>
<th>Developmental Milestone</th>
<th>NM Quality Curriculum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patient Centeredness</td>
<td>Respect the dignity, culture, beliefs, values, and opinions of the patient</td>
<td>Value and equity</td>
</tr>
</tbody>
</table>
Mapping to ACGME CLER Goals

- Health Care Quality
- Patient Safety
- Transitions in Care
- Supervision
- Duty Hours Fatigue
- Professionalism
IM residency QI and PS curriculum

• Goals and Objectives
• Key Concepts
• Mapping to ACGME goals
• Overview
• Challenges
Key Concepts

Patient Safety
- Impact of medical error
- Error reporting
- Analysis of failures/Error reduction strategies

Quality Improvement
- Types of measures
- Analysis of care/Metrics
- Improvement methods

High Value Healthcare
- Systems and principles
- Value and Equity
- Politics and law
## Overview: Patient Safety

<table>
<thead>
<tr>
<th>PGY1</th>
<th>PGY2</th>
<th>PGY3</th>
</tr>
</thead>
<tbody>
<tr>
<td>IHI module PS101 &amp;104</td>
<td>Team training in ACLS</td>
<td></td>
</tr>
<tr>
<td>Handoffs</td>
<td>SIDR</td>
<td>M&amp;M conference leader*</td>
</tr>
<tr>
<td>SIDR backup</td>
<td></td>
<td>RCA conference</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Nets reporting</td>
</tr>
<tr>
<td></td>
<td></td>
<td>M&amp;M conference participant</td>
</tr>
</tbody>
</table>

* SIDR backup, M&M conference leader, RCA conference, Nets reporting, M&M conference participant.
Overview: Patient Safety

M&M

RCA

FMEA
Overview: Patient Safety

- M&M
- RCA
- FMEA

Systems Approach Matrix
## Overview: Quality Improvement

<table>
<thead>
<tr>
<th>PGY1</th>
<th>PGY2</th>
<th>PGY3</th>
</tr>
</thead>
<tbody>
<tr>
<td>IHI module QI 101</td>
<td>AQSI participant*</td>
<td></td>
</tr>
<tr>
<td>SIDR backup</td>
<td>DMAIC lead*</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Quality Committees*</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SIDR</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Quality Newsletter</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DMAIC participant*</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Metric Review</td>
<td></td>
</tr>
</tbody>
</table>
Overview: Quality Improvement

Department of Medicine, Internal Medicine
Residency Quality and Safety Quarterly

Fall, 2017

This quarterly newsletter is a source for updates on current QI/safety efforts, educational curriculum, tips for better practice, and opportunities to get involved.

Highlighted in this newsletter are...

I. Current Quality efforts: External female urinary catheter
II. Medicine Inpatient and Outpatient Quality metrics since September
III. Value Based Care: 6 steps towards high value care
IV. Ways to get involved: Residents on committees

Cheers!
Rachel Cyrus and Aashish Didwania

I. Current quality efforts:

Check out this cool Quality Improvement project being led by Victoria Behrend

Problem: Foley catheters and diaper use in women lead to catheter associated UTI’s (CAUTI’s), skin breakdown, and discomfort.
Overview: Quality Improvement

Committees

DOM Quality Management Committee (6)
Sepsis Quality Committee (5)
Sepsis Chart Abstraction Project (5)
Clinical Care Evaluation Committee (4)
Glycemic Control Committee (1)
Peer Review Committee (1)
Overview: Quality Improvement

AQSI

Academy for Quality and Safety Improvement
Overview: High Value Care

Social Determinants of Health

Value Based Care
IM residency QI and PS curriculum

• Goals and Objectives
• Key Concepts
• Mapping to ACGME goals
• Overview
• Challenges
Challenges

• Relevance (Is this part of my job?)
• Making it interesting
• Communication
• Consistency
Translating our experience

- What are your key concepts?
- Relevance
- Case based and real when possible
END
Extra Slides
## Key Concepts

<table>
<thead>
<tr>
<th>Patient Safety</th>
<th>Quality Improvement</th>
<th>High Value Healthcare</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impact of medical error</td>
<td>Types of measures</td>
<td>Systems and principles (inc. handoffs and transitions of care)</td>
</tr>
<tr>
<td>Error reporting</td>
<td>Analysis of care/Metrics</td>
<td>Value and equity</td>
</tr>
<tr>
<td>Analysis of failures/error reduction strategies</td>
<td>Improvement methods</td>
<td>Politic and law</td>
</tr>
</tbody>
</table>
# Mapping to ACGME Milestones

<table>
<thead>
<tr>
<th>ACGME Core Competency</th>
<th>Developmental Milestone</th>
<th>NM Quality Curriculum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Practice Based Learning</td>
<td>Improve the quality of care for a panel of patients</td>
<td>Analysis of Care/Metrics Types of measures Improvement methods</td>
</tr>
<tr>
<td>• Learning and Improving via Audit of Performance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Systems Based Practice</td>
<td>Works effectively within</td>
<td>Systems and principles of high value care</td>
</tr>
<tr>
<td>• Works effectively with other care providers and settings</td>
<td>- Multiple health delivery systems</td>
<td></td>
</tr>
<tr>
<td>• Improving health care delivery</td>
<td>- An interprofessional team</td>
<td></td>
</tr>
<tr>
<td>• Cost-effective care for patients and populations</td>
<td>Recognizes system error and advocates for system improvement.</td>
<td></td>
</tr>
<tr>
<td>Interpersonal and Communication Skills</td>
<td>Transitions of care</td>
<td>Handoffs</td>
</tr>
<tr>
<td>• Communicate effectively with physicians, other health professionals and health related agencies</td>
<td></td>
<td>Value and equity</td>
</tr>
<tr>
<td>Professionalism</td>
<td>Respect the dignity, culture, beliefs, values, and opinions of the patient</td>
<td></td>
</tr>
<tr>
<td>• Patient Centeredness</td>
<td></td>
<td>Politics and law</td>
</tr>
</tbody>
</table>