Promoting Scholarship in Quality Improvement and Patient Safety

Quality Improvement and Patient Safety Committee

Department of Medicine
Weill Cornell Medical College, New York

Jennifer I. Lee, MD
Robert J. Kim, MD
Tara Bishop, MD MPH

AAMC Learning Health System Research Awards Kick-off Meeting
Washington, DC
12 February 2015
About Weill Cornell Medical College

• Affiliated with New York-Presbyterian Hospital and Methodist Hospital in Houston
• Located in the heart of New York City
  – 862 certified beds
  – Regional trauma and stroke center
• Member of the NIH Clinical and Translational Science Award (CTSA) Consortium
• Global presence in Qatar, Tanzania, Haiti, Brazil, Austria and Turkey
Department of Medicine’s Quality Structure

• Interinstitutional and interdisciplinary collaboration
  – Weill Cornell Medical Center (WCMC)/Physician Organization (PO)
  – New York-Presbyterian Hospital (NYP)
    • Division of Quality and Patient Safety
    • Division of Medical Nursing
    • Department of Social Work and Care Coordination
Quality Improvement and Patient Safety Committee (QIPS)

- Formed in 2010
- Interdisciplinary committee formed to support and promote the Department of Medicine’s (DoM) dedication to establishing a reliable, safe healthcare environment and providing high value, high quality care to our patients.
QIPS Committee Leadership

Dr. Augustine MK Choi  
Chairman of Medicine

Dr. Jennifer I. Lee  
Quality and Patient Safety Officer and Co-chair

Dr. Robert J. Kim  
Co-chair

Dr. Tara Bishop  
Director of QI Operations

Ed Perchik PA-C  
Performance Improvement Specialist (NYP)

Mary Elizabeth Kelser, RN MBA  
Administrator
2014-2015 QIPS Committee Members

- Physician and nursing representation
  - 12 divisions
  - Four principle medicine units
  - Two campuses (Weill Cornell, Lower Manhattan)
  - Residency and Physician Assistant Programs
<table>
<thead>
<tr>
<th>Department</th>
<th>Members</th>
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<tbody>
<tr>
<td>Cardiology</td>
<td>Kim, Robert</td>
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<tr>
<td>Epidemiology</td>
<td>Calfee, David</td>
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<td>Infectious Disease</td>
<td>Singh, Harjot</td>
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<td>Endocrinology</td>
<td>Sinha, Naina</td>
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<td>Gastroenterology/Hepatology</td>
<td>Kahaleh, Michel</td>
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<td>Geriatric Medicine</td>
<td>Ramsaroop, Sharda</td>
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<td>Hematology/Medical Oncology</td>
<td>Ruan, Jia</td>
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<td>Hospital Medicine</td>
<td>Lee, Jennifer</td>
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<td>Nephrology &amp; Hypertension</td>
<td>Chung, Miriam</td>
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<td>Pulmonary &amp; Critical Care Medicine</td>
<td>Rajwani, Kapil</td>
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<td>Residency Training Program</td>
<td>Gingras, Laura</td>
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<td>Weill Cornell Internal Medicine Associates</td>
<td>Eiss, Brian</td>
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<td>Women's Health: Iris Cantor Women's Health</td>
<td>Leef-Jacobson, Elizabeth</td>
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<td>Center</td>
<td>Perchik, Ed</td>
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<td>NYP PI Specialist Administrator</td>
<td>Kelser, Mary Elizabeth</td>
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<td>Unit Medical Directors</td>
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<td>5W – Majid, Adrian</td>
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<td>5C—Martin, Paul</td>
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<td>5N – Gupta, Renuka</td>
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<td>11S—Singh, Anand</td>
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<td>PA service</td>
<td>Tang, Chin</td>
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<td>Lower Manhattan</td>
<td>Reischer, Amy</td>
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<td>Patient Care Directors/Care Coordinators</td>
<td>5W – Motal, Julius / Maikoff, Megan</td>
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<td>5N – Mohammed, Natalie</td>
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<td>5C –Marianne Moore</td>
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QIPS Mission

1. Leadership and Education
2. Create a Proactive Culture of Safety
3. Scholarship and Research
DOM QI Project Awards

• Established in 2011
• Funding for project proposals not traditionally recognized through other entities
• Raise awareness and academic recognition for efforts in quality improvement and patient safety
• Engagement of faculty and residents in quality improvement efforts and scholarship
Project Funding Criteria

1. Interdisciplinary project leadership
2. Inter-institutional focus
3. High value care
4. Sustainability
5. Dissemination
Timeline

- Late Spring  
  Request for Proposals
- June  
  Review Committee
  - QIPS committee members
  - NYP Quality and hospital leadership
  - Division of Medical Nursing
- July  
  Award announcements
  Funding period coincides with the academic calendar (July – June)
Mentorship

• Project-directed mentorship
  – Quality Improvement and research experts
  – Research assistant
  – Statistical support

• Quarterly team meetings
  – Monitor progress
  – Discuss action items and deliverables
  – Discuss barriers and design potential solutions
QIPS QI Project Awards Poster Session

• Highlighting of all funded projects
• Publicized within the hospital, medical school and at local organizations
• Annual event held on campus
  – 2012: 13 submissions; 11 funded projects
  – 2014: 18 submissions; 14 funded projects
  – 2016: 23 submissions; 5 funded projects
DOM QI Project Awards Metrics

1. Sustainable changes in clinical policies or procedures

2. Scholarship
Innovative Changes in Clinical Practice

CLINICAL GUIDELINES

- High impact fracture protocol on the Medical Orthopedic Trauma Service (MOTS)  
  Eva Flores, MD  
  Marie Finn, RN

- Echocardiography in Patients with Moderate or Severe Aortic Stenosis or Mitral Regurgitation  
  Mohammed Mehdi Premjee  
  Robert J. Kim, MD

- Clinical Dashboard for Weill Cornell Internal Medicine Associates (WCIMA)  
  Fran Ganz-Lord, MD

- Testing an Insulin Titration Algorithm to Combat Clinical Inertia and Improve Inpatient Glycemic Control  
  Naina Sinha Gregory, MD  
  Jane Seley DNP, MPH

- Evaluating Adherence to Clinical Guidelines For Thrombophilia Screening  
  Maria Teresa De Sancho MD et al
Innovative Changes in Clinical Practice

HAI

• Protocol for Emergency Department Placement and Management of Indwelling Urinary Catheters in Older Adults
  Mary R. Mulcare, MD
  Jaime Lynn Hayes, RN, BSN, et al

• A Standardized Approach to the Education and Assessment of Central Venous Catheter Placement
  Kirana Gudi MD, et al

PROCESS IMPROVEMENT

• Accuracy of Attending of Record Designations
  Jennifer I. Lee MD
  Glenna Friedman

• Use of a Universal Database to Record Procedures and Track Bronchoscopy Complications
  Dana Zappetti, MD
  Riya George, BS
Innovative Changes in Clinical Practice

CARE TRANSITIONS

• Emergency Department Low Risk Chest Pain Follow-up Project
  Peter A. D. Steel MA MBBS, et al

• Improving the Transition from Inpatient to OPAT Care in the ID Fellows’ Clinic
  Elizabeth Alexander MD, et al

• Improving Patient Safety by Implementing a Multidisciplinary Discharge “Time-Out”
  Kathryn Arbour MD, et al

• The CARE Project
  Saraswati Iobst MD
  Carol DeJesus LCSW CCM, et al
National Poster/Oral Presentations

Improving Hepatitis C Screening Rates in a Resident Clinic (Maday Gonzalez MD et al)

Characteristics of Medicine Inpatients who Engage the Discharge Appeals Process (Ernie Esquivel MD et al)

Protocol for Emergency Department Placement and Management of Indwelling Urinary Catheters in Older Adults (Mary Mulcare MD et al)

The CARE Project (Sara Iobst MD et al)

Society of Hospital Medicine Annual Meeting. Las Vegas, NV. March 2014

Society of Hospital Medicine Annual Meeting. Las Vegas, NV. March 2014

CORD Academic Assembly 2014. New Orleans, LA. March 2014

Society of General Internal Medicine Annual Scientific Meeting, San Diego, April 2014
National Poster/Oral Presentations

*Improving Utilization of Interpreter Services by Admitting Medicine Housestaff*  
*(Jamie Mullally MD et al)*

Testing an Insulin Titration Algorithm to Combat Clinical Inertia and Improve Inpatient Glycemic Control *(Jane Seley DNP et al)*

Evaluating Adherence to Clinical Guidelines For Thrombophilia Screening *(Maria De Sancho MD et al.)*

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2014 **AAMC** Education and Science Meeting. Rosemont, IL. June 2014

**American Diabetes Association**  

56th **American Society of Hematology** Annual Meeting and Exposition. San Francisco, CA. December 2014
Publications

In Progress:

• Testing an Insulin Titration Algorithm to Combat Clinical Inertia and Improve Inpatient Glycemic Control (Jane Seley DNP et al)

• Evaluating Adherence to Clinical Guidelines For Thrombophilia Screening (Maria De Sancho MD et al.)

• Protocol for Emergency Department Placement and Management of Indwelling Urinary Catheters in Older Adults (Mary Mulcare MD et al)

• Improving the Transition from Inpatient to Outpatient Parenteral Antibiotics Therapy Care in the Infectious Disease Fellows’ Clinic (Elizabeth Alexander MD et al)

• Emergency Department Low Risk Chest Pain Follow-up Project (Peter Steel MD et al)

• The CARE Project: A Multi-disciplinary Approach to Improve the Care of Hospital Super-Utilizers (Kelly Berchou MD et al)

• Characteristics of Medicine Inpatients who Engage the Discharge Appeals Process (Ernie Esquivel MD et al)
Challenges

• Alignment with organizational goals
• Achieving sustainability
• Biostatistics support
Future Directions

• Expand committee membership to include IT and other disciplines
• Faculty development
  – Quality University
  – DoM Faculty Development Program
  – Mentorship Training
Thank you!

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