Summary Report For General Surgery
July 1, 2011 - June 30, 2012 for the 2010-11 and 2011-12 Cohorts

August 2012
Table of Contents

Introduction ........................................................................................................................................ p3-4
Inventory ........................................................................................................................................ p5
Completion Status:
  ➢ Total for General Surgery ........................................................................................................ p6
  ➢ General Surgery vs. All Programs ............................................................................................ p7
  ➢ General Surgery end of PGY 2 by Module ................................................................................ p8
  ➢ General Surgery vs. All Programs by Module ......................................................................... p9
Post-Module Test Score by Module (by Cohort) ........................................................................ p10
Average Scores: Pre and Post-Module Tests by Module ............................................................ p11
Unit Test Scores by Module ........................................................................................................ p12
Introduction

- The data for this report were collected through Grade Center between July 1, 2011 and June 30, 2012.
- All 7 modules consists of 4 units with a quiz at the end of each unit and a pre and post module test.
- The End of Life Care Module (EOLC) introduces Residents to basic principles in managing patients and looks at how society’s and our own personal beliefs, fears and anxieties about death and dying may impact the care of patients.
- The Resident as Manager (RAM) module introduces trainees to basic principles of the role of manager in the health care system. Topics covered include: Career Exploration and Managing "Self", Resident Health and Well Being, Managing Interactions in a Clinical Setting, Managing Resources in the Health Care System
- The Communicator 2: Essentials for Communication (COMM 2) Module provides a broad range of communication skills and topics that are considered essential. This includes: challenging scenarios, complex topics, written communication and sharing information.
Introduction

- The Communicator 1: Communicator Basics (COMM1) provides a broad range of communication skills and topics that are considered essential. This includes Communication is Important, Communication Skills, Clinical Encounter – Getting Started, and Treatment Planning and Moving Forward.

- The Resident as Learner and Teacher (RALT) module introduces trainees to a variety of learning and teaching techniques that occur in large groups, small groups, and in a variety of clinical settings. The RALT module focuses on evaluation as well as how learners and teachers can deliver feedback effectively.

- The Patient Safety (PatSaf) module introduces trainees to residents to adverse events in the healthcare system. This module explores how, when and where mistakes are made and how residents can correct them. The focus of this module is on how to recognize and respond to issues of patient safety in the healthcare environment.

- The Resident as Professional (PROF) module introduces residents to professional behaviours in the clinical setting, appropriate behaviour with patients, legal and regulatory issues and challenging scenarios in the workplace setting.

- The data in this report excludes ‘off-cycle’ residents who are completing requirements of PGY 2 after June 30, 2012.
<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>End of Life Care</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Manager</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Communicator 2</td>
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<td>✔</td>
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<td>✔</td>
</tr>
<tr>
<td>Communicator 1</td>
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<td>✔</td>
<td>✔</td>
</tr>
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<td>Resident as Learner &amp; Teacher</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Patient Safety</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Professional</td>
<td>✔</td>
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<tr>
<td>Collaborator</td>
<td>✔</td>
<td></td>
<td>✗ (Not Yet Available)</td>
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Completion Status for General Surgery – All Modules

Both Cohorts:
- Completed: 50%
- In Progress: 41%
- Not Started: 9%

2010-11 vs. 2011-12 Cohorts:
- 2010-11: 100% Completed
- 2011-12: 68% Completed, 16% Not Started

General Surgery - Base: 2010-11: n= 13
2011-12: n= 19 Both Cohorts: n= 32
Completion Status – All Modules
General Surgery vs. All Programs

<table>
<thead>
<tr>
<th></th>
<th>Completed</th>
<th>In-Progress</th>
<th>Not Started</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Surgery</td>
<td>50%</td>
<td>41%</td>
<td>9%</td>
</tr>
<tr>
<td>All Programs</td>
<td>59%</td>
<td>28%</td>
<td>13%</td>
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</table>

General Surgery Base: 2010-11 n= 13
2011-12: n=19 Both: n= 32
All Programs Base 2010-11, 2011-12: n=822
## Completion Status by Module at end of PGY 2 - 2009, 2010, 2011

<table>
<thead>
<tr>
<th>MODULE</th>
<th>2009-10</th>
<th>2010-11</th>
<th>2011-12</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Complete</td>
<td>Incomplete</td>
<td>Complete</td>
</tr>
<tr>
<td>End of Life Care</td>
<td>93%</td>
<td>7%</td>
<td>100 %</td>
</tr>
<tr>
<td>Resident as Manager</td>
<td>87%</td>
<td>13%</td>
<td>100 %</td>
</tr>
<tr>
<td>Communicator 2</td>
<td>67%</td>
<td>33%</td>
<td>100 %</td>
</tr>
<tr>
<td>Communicator 1</td>
<td></td>
<td></td>
<td>100 %</td>
</tr>
<tr>
<td>Resident as Learner &amp; Teacher</td>
<td></td>
<td></td>
<td>100 %</td>
</tr>
<tr>
<td>Patient Safety</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Professional</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

General Surgery Base: 2008-09 n= 15  
General Surgery Base: 2009-10 n= 16  
General Surgery Base: 2010-11 n= 13
Completion Status by Module vs. ALL Programs
2010-11, 2011-12

- **EOLC**: General Surgery
  - All Programs
- **RAM**: General Surgery
  - All Programs
- **COMM2**: General Surgery
  - All Programs
- **COMM1**: General Surgery
  - All Programs
- **RALT**: General Surgery
  - All Programs
- **PatSaf**: General Surgery
  - All Programs
- **PROF**: General Surgery
  - All Programs

Completed
In Progress
Not Started

EOLC: End of Life Care
RAM: Resident as Manager
COMM2: Communicator2
COMM1: Communicator1
RALT: Resident as Learner & Teacher
PatSaf: Patient Safety
PROF: Professional

General Surgery Base: 2010-11 n= 13
2011-12: n=19 Both: n= 32
All Programs Base 2010-11, 2011-12: n=822
Post-Module Test Scores by Module
General Surgery

\[ M(2010-11 \& 2011-12) = 89\% \ (\sigma = 1\% ) \]

<table>
<thead>
<tr>
<th>Module</th>
<th>2010-11</th>
<th>2011-12</th>
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<tbody>
<tr>
<td>End of Life Care</td>
<td>85%</td>
<td>83%</td>
</tr>
<tr>
<td>Resident as Manager</td>
<td>89%</td>
<td>89%</td>
</tr>
<tr>
<td>Communicator2</td>
<td>99%</td>
<td>95%</td>
</tr>
<tr>
<td>Communicator1</td>
<td>89%</td>
<td>92%</td>
</tr>
<tr>
<td>Resident as Learner and Teacher</td>
<td>98%</td>
<td>92%</td>
</tr>
<tr>
<td>Patient Safety</td>
<td>87%</td>
<td>82%</td>
</tr>
<tr>
<td>Professional</td>
<td>86%</td>
<td>82%</td>
</tr>
</tbody>
</table>

General Surgery - Base: 2010-11: n= 13
2011-12: n= 19 Both Cohorts: n= 32
Average Scores: Pre and Post-Module Scores by Module – General Surgery vs. ALL Programs

- General Surgery: Pre-Test
- General Surgery: Post-Test
- ALL Programs: Pre-Test
- ALL Programs: Post-Test

Scores

End of Life Care | Resident as Manager | Communicator2 | Communicator1 | Resident as Learner & Teacher | Patient Safety | Professional

General Surgery Base: 2010-11 n= 13
2011-12: n=19 Both: n= 32
All Programs Base 2010-11, 2011-12: n=822
Average Test Scores by Unit
General Surgery

- **Unit 2:** $M = 88\% \ (\sigma = 6\%)$
- **Unit 3:** $M = 90\% \ (\sigma = 3\%)$
- **Unit 4:** $M = 90\% \ (\sigma = 3\%)$
- **Unit 5:** $M = 93\% \ (\sigma = 4\%)$

End of Life Care:
- Unit 2: 79\% 86\% 90\% 100\%
- Unit 3: 95\% 96\% 96\% 87\%
- Unit 4: 91\% 91\% 91\% 93\%
- Unit 5: 98\% 94\% 88\% 91\%

Resident as Manager:
- Unit 2: 83\% 87\% 93\% 94\%
- Unit 3: 87\% 90\% 86\% 99\%
- Unit 4: 84\% 89\% 86\% 90\%

Communicator 2:
- Unit 3: 95\% 96\% 96\% 87\%
- Unit 4: 91\% 91\% 91\% 93\%
- Unit 5: 98\% 94\% 88\% 91\%

Communicator 1:
- Unit 2: 79\% 86\% 90\% 100\%
- Unit 3: 95\% 96\% 96\% 87\%
- Unit 4: 91\% 91\% 91\% 93\%
- Unit 5: 98\% 94\% 88\% 91\%

Resident as Learner & Teacher:
- Unit 2: 79\% 86\% 90\% 100\%
- Unit 3: 95\% 96\% 96\% 87\%
- Unit 4: 91\% 91\% 91\% 93\%
- Unit 5: 98\% 94\% 88\% 91\%

Patient Safety:
- Unit 2: 79\% 86\% 90\% 100\%
- Unit 3: 95\% 96\% 96\% 87\%
- Unit 4: 91\% 91\% 91\% 93\%
- Unit 5: 98\% 94\% 88\% 91\%

Professional:
- Unit 2: 79\% 86\% 90\% 100\%
- Unit 3: 95\% 96\% 96\% 87\%
- Unit 4: 91\% 91\% 91\% 93\%
- Unit 5: 98\% 94\% 88\% 91\%

General Surgery - Base: 2010-11: n= 13
2011-12: n= 19 Both Cohorts: n= 32