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Authors

Bhat, R
Graham, A
Davis, J
[et al.](#)

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63 The Milestones Dashboard – A Novel Tool for Resident Evaluation and Amalgamation of Milestones

Bhat R, Graham A, Davis J, Maloy K/Georgetown University Hospital Washington Hospital Center, Washington, DC

Introduction/Background: The recent introduction of the American College of Graduate Medical Education (ACGME) milestones and clinical competency committees (CCC) has produced a significantly increased workload for Emergency Medicine residency programs. This increased workload includes tracking additional metrics, as well as the need for amalgamating these metrics to facilitate an efficient consensus decision regarding each resident’s performance.

Educational Objectives: Our goal was to develop an online evaluation tool to track each resident’s performance for the ACGME milestones as well as an efficient data amalgamation tool to track all evaluations and allow CCC members access for an efficient and accurate discussion of each resident’s progress.

Curricular Design: We developed an online tool called “Milestones Dashboard” that allows faculty to fill out evaluations, including but not limited to ED monthly performance, simulation evaluation, standard direct observation, procedural competency, and customized forms. These evaluations and their supporting data feed directly into the dashboard view (Figure 1) and each resident’s performance for the last 6 months can be tracked and evaluated using the CCC view (Figure 2). The data from the CCC view can then be exported into an excel file for entry into the ACGME website for reporting.

Impact/Effectiveness: This evaluation and tracking tool has allowed our program to develop a streamlined, integrated system for evaluation entry, resident data analysis as well as data reporting for the ACGME.

	CCC	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9	PC10	PC11	PC12	PC13	PC14	PCLP	MK	PROF1	PROF2	ICS1	ICS2	PBL1	SBP1	SBP2	SBP3
[Redacted]	1	3.3	3.2	3.1	3.2	3	3.1	3.2	3.1	3.2	2.9	3.1	4	4	2.5	4	3.2	3.4	3.2	3.7	3.4	3.2	3.1	3.2	2.8
[Redacted]	1	3.2	3.1	3.4	3.1	3.3	3.2	3.3	3.6	3.2	3	3.2	2.5	3	3	2.5	3.4	3.3	2.9	3.2	3.6	3.3	3.4	3.3	3
[Redacted]	1	3.1	3.3	3	3.1	3	2.9	3	2.8	3.1	3.2	3.5	3	3	4	3.5	3.5	3.4	3.3	3	2.8	3.2	2.9	3	3
[Redacted]	3	2.9	3	3.2	3	3	3	3.1	2.6	3	3	3	2.5	3.5			3.1	3.5	3.2	3.5	3.2	3	3.1	2.9	2.4
[Redacted]	3	3.3	3.5	3.4	3.3	3.2	3.2	3.2	2.8	3.2	3.3	3.4	3.9	3.9	4	3.5	3.5	3.9	3.6	3.4	3.2	3.6	3.2	2.9	2.7
[Redacted]	3	3	3.1	3.1	3.1	3.2	3.1	3.2	3.2	3.5	3.5	2.5	3.5	3	3	3	3.1	3.2	3	2.7	3.5	3.1	3	3.3	2.8
[Redacted]	1	3.4	3.8	3.6	3.4	3.1	3.3	3.4	3.3	3.4	3.5	3.5	3	3.5	3.5	3.5	3.4	3.7	3.4	3.8	3.4	3.4	3.6	3.2	3
[Redacted]	3	3.1	3.1	3.1	3	3	3.2	3	3	3	3.3	3	3.5	2.8	3.5	3	3.2	3.3	3.2	3.1	3.1	3.1	3	2.9	2.7
[Redacted]	3	2.1	2.1	2.2	1.9	2	2.1	2.3	1.9	2	1.9	2	2.5	2.5	2.6	2.4	1.8	2.3	2.3	2.5	1.9	2.3	2.2	2.1	2.3
[Redacted]	3	2.4	2.6	2.4	2.3	2.2	2.4	2.3	2	2.4	2	2.5	2	2.4	2	2.5	2.1	3.2	2.3	2.9	2.3	2.2	2.1	2.1	
[Redacted]	3	2.5	2.6	2.5	2.5	2.4	2.5	2.4	2.1	2.1	2.3	2.5	2	3	2.9	2.5	2.9	2.8	2.3	2.8	2.3	2.5	2.2	2.3	2.4
[Redacted]	3	2.3	2.3	2.4	2.3	1.9	2.5	2.4	2.2	1.9	2.2	2.3	2.5	2.5	1.9	2	2	2.6	2.5	2.5	2.6	2.4	2.4	2.2	2
[Redacted]	3	2.4	2.2	2.4	2.4	2.5	2.2	2	2.2	2.3	2.3	2.5	2.5	2	3	2.5	2.6	2.9	2.9	2.7	2.6	2.6	2.7	2.4	2
[Redacted]	3	2.6	2.6	2.6	2.8	2.6	2.5	2.7	2.3	2.5	2.5	2.6	2	2.4	3	2.6	2.9	2.6	2.8	2.6	2.6	2.4	2.6	2.6	
[Redacted]	3	2.6	2.7	2.8	2.8	2.3	3	2.9	2.7	2.3	2.4	2.4	2.9	3	2.1	2.8	2.4	2.7	2.9	2.9	2.7	2.7	2.9	2.5	2
[Redacted]	3	2	2.4	2.5	1.7	1.9	2.5	2.3	2	2.2	2.1	2.2	2	2.5	1.7	2.5	2.6	2.3	2.4	2	2.3	2.4	2.4	2.4	2.6
[Redacted]	1	2	1.6	1.5	1.5	1.5	1.9	1.6	1.5	1.5		1.5		2			1	2	1.6	2.2	1.6	1.5	1.6	1.2	1.2
[Redacted]	1	1.8	1.8	1.6	1.6	1.5	1.6	1.7	1.5	1.6	1.3	1.5	2.5	1.2	1	2	1.1	2	1.9	2	2	1.8	1.7	1.6	1.1
[Redacted]	1	1.6	1.3	1.5	1.4	1.5	1.9	1.5	1	1.9	1.5	1	2.5	1.2	1.6	1.4	1	2	2	2	1.1	1.5	1.6	1.1	1.1
[Redacted]	1	1.5	2	1.5	1.5	1.5	1.5	1.6	1.3	1.8	1	1.2	2	1	1.5	1	1	2	1.6	1.8	1.6	1.5	1.6	1.5	1

Figure 1. Dashboard view showing resident names (redacted for privacy) by class in first column, with horizontal axis with each milestone. Green/yellow color-coding for milestones is based on program leadership consensus with green showing at/above level of training and yellow showing areas of concern.

Aggregated Prior Comments														
Resident 1	WHC monthly eval <small>(10 months)</small>	Sim Procedures <small>(8 months)</small>	Sim Procedures <small>(8 months)</small>	Sim Procedures <small>(8 months)</small>	Sim Milestones 5/30/13 <small>(8 months)</small>	WHC monthly eval with all fields <small>(8 months)</small>	Sim Milestones 8/22/13 <small>(3 months)</small>	Sound Team Eval <small>(3 months)</small>	CCC <small>(3 months)</small>	GUH monthly eval <small>(2 months)</small>	WHC monthly eval with all fields <small>(6 months)</small>	Wt Avg <small>(hover for calc)</small>	CCC	Final Wt Avg
PC1 - Emergency Stabiliz...	2.5					2.5	1.5		1.5	2.5	2	2	<input type="text" value="2"/>	
PC2 - Performance of Foc...	2.5				3.5	2.5	1.5		2.5	2.5	2	2.4	<input type="text" value="2.4"/>	
PC3 - Diagnostic Studies...	2.5				3.5	2.5			2.5	2.5	2	2.5	<input type="text" value="2.5"/>	
PC4 - Diagnosis	3					2.5	1.5		1	2	2	1.7	<input type="text" value="1.7"/>	
PC5 - Pharmacotherapy	2.5				2	2	2		1.5	2	2	1.9	<input type="text" value="1.9"/>	
PC6 - Observation and Re...	2.5					3			2.5	2.5	2	2.5	<input type="text" value="2.5"/>	
PC7 - Disposition	2.5				2	2.5			2.5	2.5	2	2.3	<input type="text" value="2.3"/>	
PC8 - Multi-tasking (Tas...	2					2			2	2.5	1.5	2	<input type="text" value="2"/>	
PC9 - General Approach L...	2.5	2	1.5	2.5		2.5			2	2.5		2.2	<input type="text" value="2.2"/>	
PC10 - Airway Management	2.5	2				2.5			2		2	2.1	<input type="text" value="2.1"/>	
PC11 - Anesthesia and Acu...	2								2	2.5		2.2	<input type="text" value="2.2"/>	
PC12 - Other Diagnostic a								2	2			2	<input type="text" value="2"/>	

Figure 2. Clinical Competency Committee (CCC) view showing all recent evaluations in horizontal axis with milestones in vertical axis. Prior evaluations submitted by pdf file are shown as hyperlinks highlighted in black.