

A Web-based Module to Facilitate the Direct Observation of Trainees

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Clinical Supervision Practice Improvement Module (PIM)

- Developed by the American Board of Internal Medicine (ABIM)
- Designed to facilitate direct observation of trainees
- Diplomates can fulfill their Evaluation of Practice Performance requirement for Maintenance of Certification (MOC)

Clinical Supervision PIM Requirements

- 10 mini-CEX-based evaluations of trainees' clinical skills
- 10 Medical Record Audits (corresponding to each observed clinical encounter)
- Completion of an Improvement Plan based on Summary Report

Beta Test

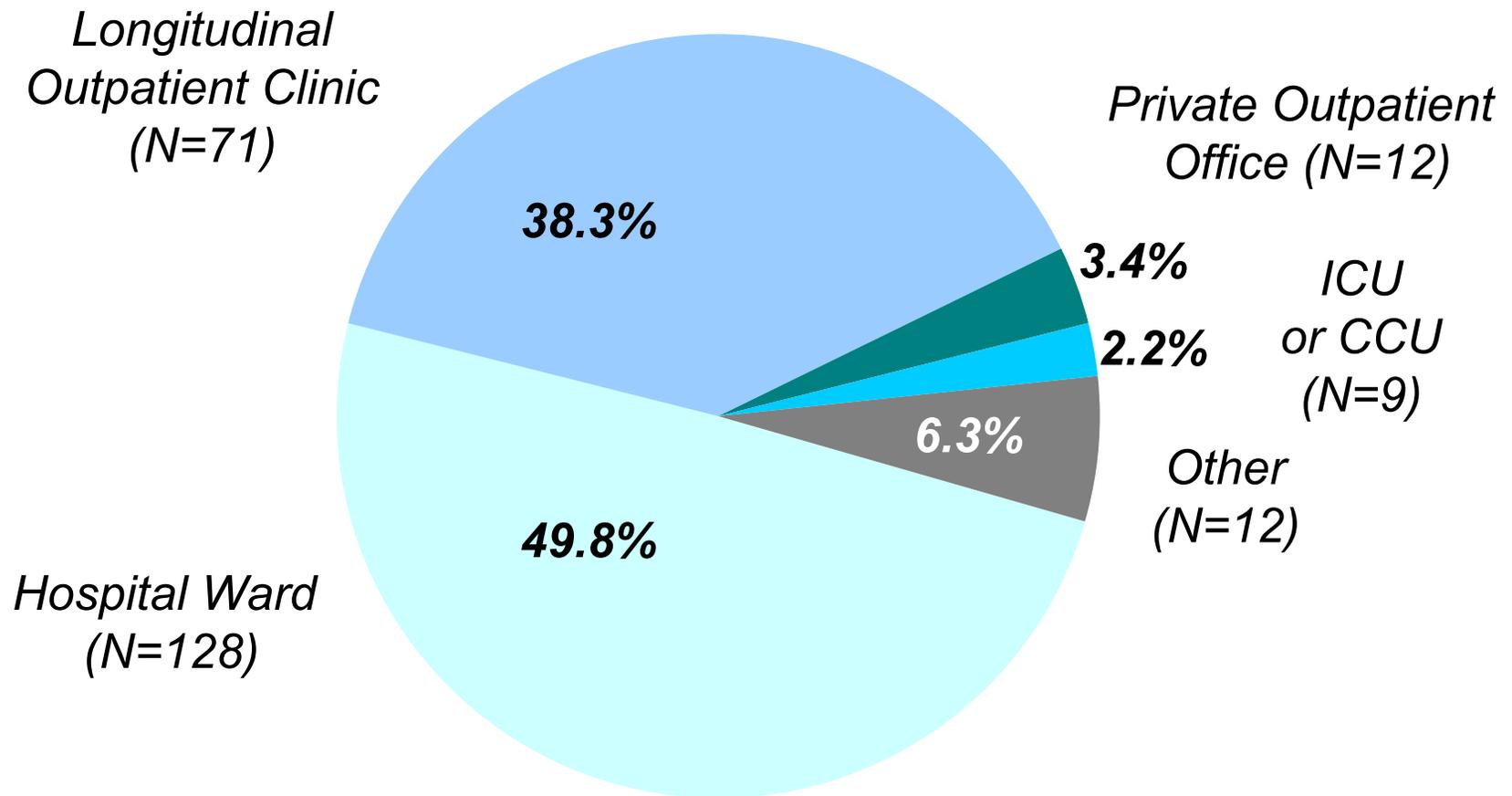
- February – December 2008
- 85 diplomates enrolled
- 41 (48%) completed PIM and survey

Clinical Supervision PIM Beta Test:

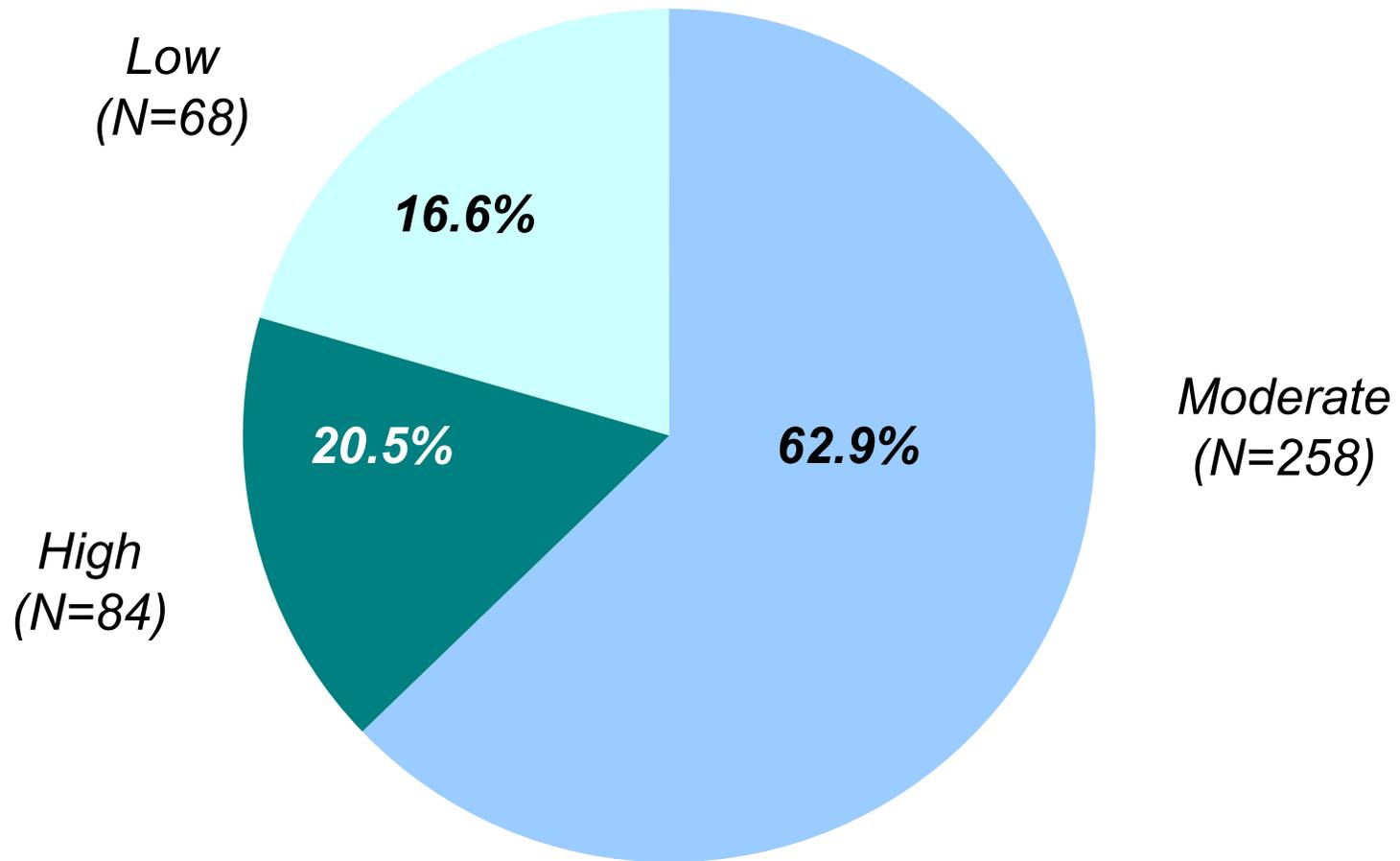
Trainee Levels

	<i>N</i>	<i>%</i>
<i>3rd-year Medical Student</i>	43	10.5%
<i>4th-year Medical Student</i>	17	4.1%
<i>1st-year Resident</i>	186	45.4%
<i>2nd-year Resident</i>	68	16.6%
<i>3rd-year Resident</i>	76	18.5%
<i>4th-year Resident</i>	2	0.5%
<i>1st-year Fellow</i>	6	1.5%
<i>2nd-year Fellow</i>	5	1.2%
<i>3rd-year Fellow</i>	7	1.7%

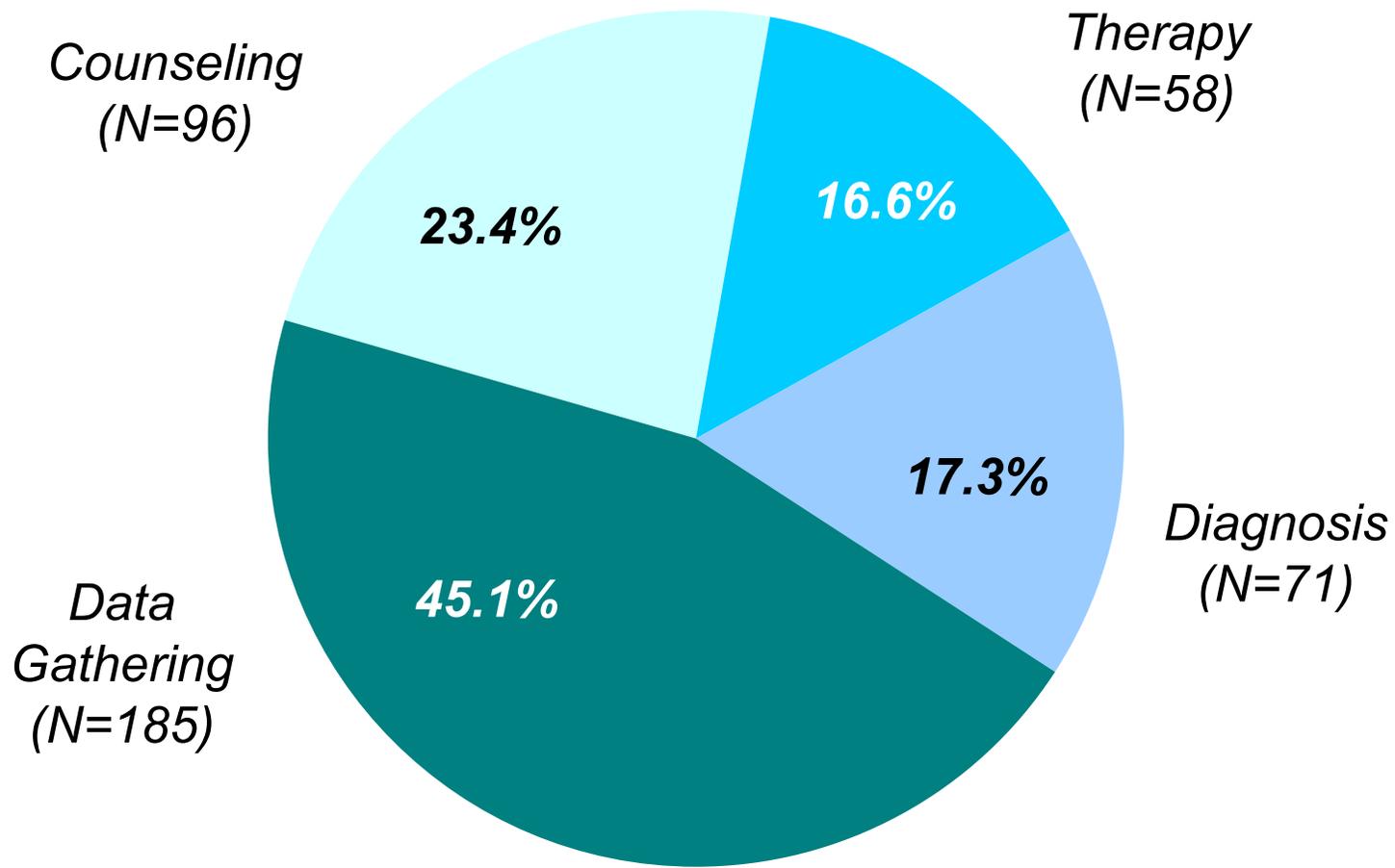
Clinical Supervision PIM Beta Test: Care Setting



Clinical Supervision PIM Beta Test: Complexity of Encounter



Clinical Supervision PIM Beta Test: Focus of Observation



Clinical Supervision PIM Beta Test: Medical Record Audit

<i>Mean Reviews per Faculty: 10</i>		Eligible Patients		Compliance	
Measure	Mean	Median	Mean	Range	
<i>Internal Consistency*</i>	10.1	10	85.0%	20% – 100%	
<i>Pneumococcal Vaccination</i>	7.1	7	61.1%	10% – 100%	
<i>Urinary Catheter Inserted</i>	2.0	2	N/A	N/A	
<i>Average Days Of Catheter Placement</i>	2.0	2	6.5 days	1 – 23.5 days	
<i>Indications For Urinary Catheter Reviewed Daily</i>	2.0	2	47.7%	0% – 100%	
<i>Fall Risk Prevention Implemented</i>	2.5	2	66.3%	0% – 100%	
<i>Review Of Medications For Adverse Reactions</i>	8.7	10	89.9%	30% – 100%	
<i>Review of Unnecessary/Inappropriate Meds</i>	6.6	8	63.1%	0% – 100%	
<i>Discharge Planning</i>	6.4	8	70.3%	10% – 100%	
<i>Life Sustaining Care/End of Life</i>	3.0	3	42.2%	0% – 100%	
<i>Self Care</i>	10.0	10	30.1%	0% – 75%	

* Internal Consistency, as implemented in the beta test version of the PIM, was a single-item dichotomous measure. A list of criteria and definitions were provided as a guide for faculty. The current implementation, which was revised after the beta test and seen in the screenshot to the left, utilizes those criteria as specific measures of internal consistency. Results from the current implementation are thus not available.

Clinical Supervision PIM Beta Test: Mini-CEX Scores

Competencies	Mean	Range	Not Observed
<i>Medical Interviewing</i>	6.4	1 – 9	22.7%
<i>Physical Examination</i>	6.1	2 – 9	34.4%
<i>Humanistic/Professionalism</i>	7.2	3 – 9	N/A
<i>Clinical Judgment</i>	6.5	2 – 9	12.9%
<i>Counseling</i>	6.7	2 – 9	33.9%
<i>Organizational/Efficiency</i>	6.5	2 – 9	8.5%
<i>Overall Clinical Competence</i>	6.5	2 – 9	8.3%

Clinical Supervision PIM Beta Test: Timeliness of Feedback

<i>Period</i>	<i>N</i>	<i>%</i>
<i>Immediate</i>	303	73.9%
<i>Same day</i>	67	16.3%
<i>24 hours</i>	21	5.1%
<i>1 week</i>	16	3.9%
<i>Greater than 1 week</i>	3	0.7%

Clinical Supervision PIM Beta Test: Time Requirements

	Mean	Median	Range
Single Observation-Audit-Feedback instance	43 min	40 min	5 – 90** min
Entire module (10 Observation-Audits cycles & Improvement Plan)	13 hrs	10 hrs	5 – 40 hrs

** A single outlier of 1500 minutes, deemed an error, was removed.

Clinical Supervision PIM Beta Test: Feedback Survey Results

Module Impact

- 95% Evaluation strategy changes made
- 63% Feedback changes
- 45% Clinical practice change

Module Experience

- 100% Very good or Excellent overall
- 100% Would recommend to colleague
- 100% Would use again for MOC
- 96% Would use beyond MOC

Module Utility (Very Good or Excellent)

- 83% Documenting trainee evaluation
- 44% Documenting medical record audit
- 88% Documenting feedback