

ISCC Specialty Boards Working Group Report

“Embedded competencies” across specialty boards and societies.

Action: Building Relationships with:

- Hematology/Oncology ASCO
- Am Board of Ophthalmology
- Am Board of Family Practice
- American Dental Association
- ABMS coordination/potential integration

ABMS

- Develop integration to provide educational products for member boards.
 - Boards vary in their willingness to share genomic content.
 - ISCC to support sharing of genomic content

ABMS

- Work with ABMS on cross board genomic content.
 - Repository of potential activities.
 - AAMC portal
 - How to link competencies to MOC
 - Suggestions for part 2 (literature review) and/or part 4 (practice improvement) content

One Potential Option: AAMC MedEd portal:

- AAMC Associate member of the ABMS
- Teaching aids, peer reviewed.
- Innovations site: proposals for studies
- CME activities,
- Repository for cross specialty information.
 - Use competencies to identify common genomics content across specialties.

Heme Onc Genomic Milestones (ASCO and Am Soc Hematology)

- For ACGME resident based training
- Fellow education.
- Action: To be shared with competencies working group.
 - Examine how they align with “EPAs”.
 - EPAs: those professional activities that together constitute the mass of critical elements that operationally define a profession.

ASH/ASCO Webinar: Hematology Oncology Curricular Milestones

March 31, 2014 – 2:00 PM, Eastern
Time



IM Subspecialty Reporting Milestones

- Developed by ACGME/AAIM/ABIM/Specialty Societies
- More detail than six core competencies
 - 24 subcompetencies
 - “Context-free” narrative streams
- Fellows’ progress reports to ACGME
 - Every 6 months
 - First Reporting Milestones due to ACGME December 2014



Seven Key Definitions



- **Entrustable Professional Activity (EPA):** Clinical outcomes shared by all graduates of a specialty that define the core functions of that specialty
- **Competence:** An observable set of six skills or behaviors related to specific activities
- **Subcompetence:** Refines and “drills down” each competence
- **Milestone:** A significant developmental point that helps define/describe training trajectory
- **Reporting Milestones:** 24 standardized measures across IM and IM specialties sent to ACGME each six months on every trainee
- **Curricular Milestone:** Training Milestone—non-mandatory specialty guideline
- **Clinical Competency Committee (CCC):** New departmental committee that evaluates fellows

Curricular Milestones – Your Tool

- **Curricular Milestones** –Optional for Societies to Develop
 - Provide context and language to evaluate performance
 - Can update, modify as needed – make the Curricular Milestones work for you
- Most milestones can be observed through direct patient care activities. Exceptions:
 - MK-3 (Scholarship),
 - PBLI-1 (Monitors practice with a goal for improvement),
 - PBLI-2 (Learns and improves via performance audit) and recognition of system errors
 - SBP-2 (Recognizes system error and advocates for system improvement)



Hematology Oncology Genetic, Genomic, Molecular and Laboratory Tests Milestone

23. Demonstrates knowledge of, and indications for, genetic, genomic, molecular, and laboratory tests related to hematologic and oncologic disorder. (MK2)

Critical Deficiencies			Ready for unsupervised practice	Aspirational
Does not know the cytogenetic or molecular genetic abnormalities associated with common disorders	Inconsistently demonstrates knowledge about the molecular pathways, appropriate cytogenetic or molecular tests and clinical genetic syndromes	Consistently demonstrates knowledge about the molecular pathways, appropriate cytogenetic or molecular tests and clinical genetic syndromes	Consistently demonstrates knowledge about the molecular pathways, appropriate cytogenetic or molecular tests and clinical genetic syndromes, including the diagnosis and management of inherited or acquired common, rare and complex disorders	Role models and teaches others the complexities of the molecular pathways and their modifications in clinical disorders and the appropriateness of genetic testing

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Comments:

Hematology Oncology Genetic, Genomic Milestone is Reported under the IM Reporting Milestone Medical Knowledge 2

7. Knowledge of diagnostic testing and procedures. (MK2)					
Not Yet Assessable	Critical Deficiencies			Ready for unsupervised practice	Aspirational
	Lacks foundational knowledge to apply diagnostic testing and procedures to patient care	<p>Inconsistently interprets basic diagnostic tests accurately</p> <p>Does not understand the concepts of pre-test probability and test performance characteristics</p> <p>Minimally understands the rationale and risks associated with common procedures</p>	<p>Consistently interprets basic diagnostic tests accurately</p> <p>Needs assistance to understand the concepts of pre-test probability and test performance characteristics</p> <p>Fully understands the rationale and risks associated with common procedures</p>	<p>Interprets complex diagnostic tests accurately while accounting for limitations and biases</p> <p>Knows the indications for, and limitations of, diagnostic testing and procedures</p> <p>Understands the concepts of pre-test probability and test performance characteristics</p> <p>Teaches the rationale and risks associated with common procedures and anticipates potential complications of procedures</p>	<p>Anticipates and accounts for subtle nuances of interpreting diagnostic tests and procedures</p> <p>Pursues knowledge of new and emerging diagnostic tests and procedures</p>
Comments:					

Comparison with ISCC Competencies and EPAs

- Established independently of ISCC Competency Group
- Launch date July 1, 2014
- Both comply with ACGME guidelines
- ASH/ASCO Curricular Milestones follow overall ISCC intent
- ***Unique ASH/ASCO creative process may assist other societies in genomics competencies/milestones/EPAs development***
- More discussion between the Competencies and Specialty Boards Groups to come—Stay tuned



Summary: Genomic Milestones

- Effective platform and standardization for other organizations to adopt for education/training.

American Board of Ophthalmology

- We reviewed their required genomics content.
 - Very thorough.
- Collaboration with the ISCC Competencies group for more development.
- Expect to identify needed educational products once specific competencies agreed.
- Plan for targeted use cases as part of those products.

American Board of Family Medicine

- Has developed an extensive MOC Part II module in genomics.
 - Develop competencies and are interested in further input.
 - Case generator that constructs new questions!
- They have developed genomic competencies.
 - ISCC Competencies group have been reviewed.

ACTION: Work on targeted educational needs in development with ISCC genomic competencies. (as per M. Hagen).

Am Dental Association

- Very interested in developing genomic competencies and content (Dr. Hart).
- Limited education basics in Dental School.
- Starting place for discussion...