Educational Products Working Group

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Working Group Task:

- Expand resources in G2C2 to include physician resources.
- Enhance G2C2 usability.
- Collect educational products from ISCC representatives.
- Identify federally-funded initiatives (e.g., CRVR, PharmGKB, Genetic Testing Registry) that could assist genomics education efforts and clinical practice.
- Work with use cases and other groups to identify areas of emphasis for educational products (e.g. test ordering, counseling, return of results).
- Identify new advances that may require education.
Highlights of progress made since last meeting:

• ASHG poster presentation “Development of a competency-based genomic education resource for physicians” (Poster on ISCC Meeting Website: http://www.genome.gov/27563472)

• G2C2:
  • Building on foundation created by Jean Jenkins and genomic education experts from 5 disciplines: physicians, nurses, pharmacists, physician assistants, and genetic counselors
  • Now have 10 members on G2C2 Editorial Board: 2 members for each discipline; this year added 2 physicians: Rich Haspel and Lori Orlando
Development of a competency-based genomic education resource for physicians

K. Weitzel\textsuperscript{1}, E. Edelman\textsuperscript{2}, R. Roberts\textsuperscript{3}, B. Korf\textsuperscript{4}, M. Murray\textsuperscript{5}, D. Messersmith\textsuperscript{1}, J. Jenkins\textsuperscript{6}

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OBJECTIVE

To describe the development and initial assessment of a core competency-based genomic and genome-educational resource for physicians.

METHODS

- Resources were selected from reviewed competency-based educational resources for healthcare providers.
- The Genomics Education Database (GED) was developed using a consensus process.
- Resources were categorized based on genomic competencies (Figure 3).
- Resources were included in a searchable database.
- The GED includes resources on genomic competencies (Figure 4).

RESULTS

GENOMICS EDUCATION DATABASE

- Resources were rated by experts in the field.
- Resources were categorized based on genomic competencies (Figure 3).
- Resources were included in a searchable database.
- The GED includes resources on genomic competencies (Figure 4).

INTER-SOCIETY COORDINATING COMMITTEE FOR PRACTITIONER EDUCATION IN GENOMICS (ISC)

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CONCLUSIONS

- Using a robust quality assessment process, we developed a peer-reviewed, competency-based resource for healthcare providers.
- The resource is available online and can be easily accessed.
- Future efforts are needed to grow the available resources and expand the number of clinicians and educators who use GED resources.

ACKNOWLEDGMENTS

- The authors thank the Genomics Education Database (GED) team for their contributions to this project.

REFERENCES

Resource Reviews and Additions to G2C2:

- Overall site
  - Pharmacists reviewed/updated >70 resources
  - PAs reviewed/updated >300 resources

- Streamlined review process
  - ISCC work group participated in review/update of 24 resources with 17 new resources added to physician collection
G2C2 enhancements in progress:

- Enhancing searching options, results displays, and filtering displays to allow users to quickly find desired resources.
- Highlighting on the homepage the unique features of G2C2. All resources are:
  - Vetted by health professional experts and educators in different healthcare disciplines
  - Mapped to discipline-specific competencies
Genetics and Genomics Competency Center (G2C2)

Introductory Video

• Introduces the website and its features
• LIVE
Best practices to share / Barriers encountered:

• Getting the word out to the community about the G2C2 resources is an ongoing challenge
• ASHG was an excellent opportunity to connect with other genomics education providers, including international opportunities
• Recommendations for presentations at other genomics education conferences?
Next steps and “Ask”:

- Always interested in collecting more educational products from ISCC representatives.
- Possibility of including a G2C2 “summary page” for organizations with genomic education resources.
- Strategies for connecting with other repositories (e.g., MedEdPortal) and integrating with genomics websites being built by education groups within NHGRI consortia including IGNITE, eMERGE, CSER.