The Genomic Healthcare Branch
Division of Policy, Communications and Education
NHGRI
Donna Messersmith, PhD
Inter-Society Coordinating Committee
January 24, 2017
Organization Summary

• Government organization
• Genomic Healthcare Branch currently has four people:
  – Bob Wildin, MD, Chief
  – Donna Messersmith, PhD, Health Policy Analyst
  – Ashley Lewis, Scientific Program Analyst
  – Faye Brown, Operations Coordinator (part-time)
  – Recruitment in progress for Clinical Policy Analyst

• Purpose: promote the effective integration of genomic discoveries into healthcare through practitioner education, policy change, and health IT infrastructure.
Status of organization provider education and genomics

**We have active programs addressing provider genomic literacy – here’s what’s working**

<table>
<thead>
<tr>
<th>Program title(s):</th>
<th>Genomics education websites and in-person “Short Course in Genomics for Health Professional”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Types:</td>
<td>resource repository (G2C2); genomic case studies (G3C); webinar series for insurers; nurse genomics collaborations</td>
</tr>
<tr>
<td>Strategies:</td>
<td>collaborate with genomics education providers in multiple healthcare disciplines; partner with professional organizations including Blue Cross</td>
</tr>
</tbody>
</table>

**Evaluation of trainee competence:**

**Systematic evaluation of program:** Short Course evaluated each day; obtained ongoing feedback from participants about value and impact of the course; identified collaborations that resulted from the course. Performed usability testing of G2C2 revisions through paper and “talk aloud” evaluations prior to redesign completion.

**Genetic/genomic expertise provided by:** NHGRI experts and external nurse and physician assistant educators

**Timeline:** Ongoing (G2C2 and G3C); annual (Short Course)

**Requests for assistance/collaboration:** ideas for additional case for G3C; postings onto listserv; submissions to G2C2; planning for possible expansion of Short Course

**Requests for RESEARCH programs:** Evaluation of genomics integration into healthcare practice

- Genetics/Genomics Competency Center (G2C2)
- Website repository of genomics educational resources mapped to competencies
- Completed redesign and improved usability
Competencies:
http://genomicseducation.net/competency

- Genetics/Genomics Competency Center
  - Genomics competencies published for five disciplines: physician, nurse, physician assistant, pharmacist, genetic counselor
  - Competency maps link users to resources that fulfill competencies
G3C http://genomicscases.net/

- Global Genetics and Genomics Community (G3C)
- Unfolding Case Studies for Genetics and Genomics Healthcare Education
- Interested in partnerships to develop an additional case
Webinars for Health Insurers and Payers: Understanding Genetic Testing

https://www.genome.gov/insurersgenetictesting

- Webinar series for medical staff in the insurance industry
- Goal is to prepare insurers to understand genetic testing strategies, interpretation, outcomes, and patient care
- Website with recorded webinars available for continuing education
- Created by the Insurer Staff Education Working Group of ISCC
Short Course in Genomics: Nurse, Physician Assistant, and Faculty Track
August 1-3, 2016 at NIH

- 21 nurse and 9 PA educators participated
- 9 NHGRI and 7 external presenters
- “Community of Practice” listserv of participants: “Genomics Education for Practitioners”
- Planning for August 2017 course for nurses and PAs

genome.gov/shortcourse/healthprofessionals/