



MINC Dyad Presentation

Beaumont® | HEALTH SYSTEM

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Intervention Plans

Increase nurses genetics/genomic literacy, interest & awareness

- 1. Monthly e-mail blasts to all inpatient nurses: *DNA Today***
 - December 2012 – July 2013

- 2. CE Offering: Academy of Medical-Surgical Nurses**
 - January 17, 2013

- 3. Genetic/Genomic Presentations (GN Residency Program)**
 - Jan 18
 - Jan 31 (2 sessions)

 - Mar 15
 - Mar 28 (2 sessions)

 - Jun 14
 - Jun 27 (2 sessions)



Intervention Plans

Increase nurses genetics/genomic literacy, interest & awareness

4. Poster Presentations

- Corporate Nursing Research Day
- Nurses Week

5. Introduction to Genetics/Genomics Module

- Launch online learning module (Halogen)

Implementation: *DNA Today* E-mail Blasts

- December 2012 : *Family Health History Month* (sent 11.30.12)
- January 2013: *The Top Ten Genetic Findings of 2012*
- February 2013: *National Wear **Red Day***
- March 2013: *Colorectal Cancer Awareness Month*
- April 2013: *Pharmacogenomics*
- May 2013: *Stroke Awareness Month*
- June 2013: *Announcing launch on Genetics/Genomics*

Module



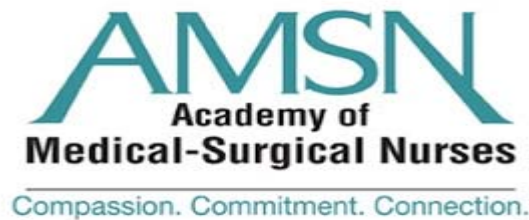
Implementation: GN Residency Lectures

- January 2013
 - Introduction Module (e-mailed to all GNs)
 - Lecture topic: *Pedigrees*
- March 2013
 - Lecture topic: *Pharmacogenomics*
- June 2013
 - Lecture topic: *Ethical, Legal & Social Issues in Genetics*

Implementation: CE Offering

CE Offering: Academy of Medical Surgical Nurses Chapter Meeting - January 18, 2013

- **1 hour presentation (1 CE)**
 - *Genetics & Genomics Nursing: A New Competency*



Implementation: Poster Presentations



EXPANDING RN SCOPE OF PRACTICE AT BEAUMONT HEALTH SYSTEM: Introducing Genetics & Genomics Into Nursing Practice

Rita Leone, MSN, RN, CMSRN, Randy Whitney, MSA, BSN, RN, NE-BC

Background

Beaumont Health System (BHS) is committed to providing the highest quality of care to our patients. As part of this commitment, we are expanding the role of our registered nurses (RNs) to include genetics and genomics. This study will explore the integration of genetics and genomics into nursing practice and the impact on patient care.

- This study will explore the integration of genetics and genomics into nursing practice and the impact on patient care.
- As a result of the education in genetics and genomics, registered nurses will be able to provide a more comprehensive and holistic approach to patient care.
- Patients & their families will expect that all members of the healthcare team, including nurses, are knowledgeable in genetics and genomics.
- Continuing education opportunities in genetics and genomics are available for all registered nurses at Beaumont Health System.

Beaumont Health System

Purpose

The purpose of the study is to investigate the relationship between nursing knowledge, attitude & practices related to established genetic & genomic competencies & to determine the effectiveness of the Magnet Hospital Champion program in improving the baseline level of genetic & genomics of registered nurses (RNs).

Methods

The first qualitative descriptive study is a cross-sectional study of registered nurses (RNs) at Beaumont Health System. The study was conducted in 2015 and 2016. The study included a survey of registered nurses (RNs) at Beaumont Health System. The survey included questions about the RNs' knowledge, attitude, and practice related to genetics and genomics. The survey was distributed to 100 registered nurses (RNs) at Beaumont Health System. The survey was completed by 80 registered nurses (RNs).

Finding/Results

MWOC Survey of Practicing Nurses (Beaumont, July 2015)

Question	Response
1. How confident are you in your ability to provide genetic and genomic care to your patients?	Very Confident (10%), Confident (20%), Somewhat Confident (30%), Not Confident (30%), Very Not Confident (10%)
2. How often do you receive education in genetics and genomics?	Very Often (10%), Often (20%), Somewhat Often (30%), Not Often (30%), Very Not Often (10%)
3. How often do you practice genetic and genomic care with your patients?	Very Often (10%), Often (20%), Somewhat Often (30%), Not Often (30%), Very Not Often (10%)
4. How often do you discuss genetic and genomic care with your patients?	Very Often (10%), Often (20%), Somewhat Often (30%), Not Often (30%), Very Not Often (10%)
5. How often do you refer your patients to genetic and genomic care?	Very Often (10%), Often (20%), Somewhat Often (30%), Not Often (30%), Very Not Often (10%)

Conclusion

The study found that registered nurses (RNs) at Beaumont Health System have a baseline level of knowledge, attitude, and practice related to genetics and genomics. The Magnet Hospital Champion program has been effective in improving the baseline level of genetic & genomics of registered nurses (RNs).

Nursing Implications

The study found that registered nurses (RNs) at Beaumont Health System have a baseline level of knowledge, attitude, and practice related to genetics and genomics. The Magnet Hospital Champion program has been effective in improving the baseline level of genetic & genomics of registered nurses (RNs).

Beaumont Nurse Professional Practice Model

The Magnet Hospital Champion program is a key component of the Beaumont Nurse Professional Practice Model. The program is designed to improve the baseline level of genetic & genomics of registered nurses (RNs) at Beaumont Health System.

References

1. American Nurses Association. (2010). Nursing: Scope and Standards of Practice. Washington, DC: American Nurses Association.

2. American Nurses Association. (2015). Nursing: Scope and Standards of Practice. Washington, DC: American Nurses Association.

3. American Nurses Association. (2018). Nursing: Scope and Standards of Practice. Washington, DC: American Nurses Association.

Challenges

- Merger: The logo for Henry Ford Health System, featuring the name "Henry Ford" in a blue script font above the words "HEALTH SYSTEM" in a blue sans-serif font, all enclosed within a blue oval border.
- Genetic Counselors & pharmacists unable to collaborate @ this time
- Low participation rate (initial MINC survey July 2012)

Long Term/Future Goals

- Incorporation of patient's genetic history into admission assessment (EPIC)
 - Trigger Best Practice Alert (BPAs)
 - Pedigree software
 - Genetic Counselor consult
- Develop hospital policies related to genetics/genomics nursing
- Additional genetic/genomic nursing studies at Beaumont Health System

- Thank you!

