



University Health Network

Toronto General Hospital Toronto Western Hospital Princess Margaret Hospital

The Nursing Informatics Specialist: Reaching beyond the walls into the global community

Cathy Johnson RN, BHS, Brenda Laurie-Shaw RN MN,
Nicholas Brudnicki, Mary Ferguson-Paré RN, PhD

Objectives

- Review common roles in Nursing Informatics
- Describe the role of the NI Specialist as a web professional, communication specialist and usability expert
- Discuss opportunities and challenges to use web based multimedia tools to promote nursing (Intranet and Internet)
- Demonstrate the Nursing Channel and its impact



Nursing Informatics Specialist

- has a differentiated practice
- has expert knowledge in 3 core sciences: nursing science, information science, computer science
- applies other sciences as applicable to their focus
- practices using the metastructures of NI: data, information and knowledge
- works to support nurses as information managers and knowledge workers



Nursing Informatics Specialist

- Common areas of focus:
 - electronic health record
 - workload measurement
 - training and education in use of computer applications



Nursing Informatics Specialist - Web based Information and Knowledge Tools

- Expertise required in the sciences of:
 - Communication
 - Human Computer Interaction / Usability
 - Ergonomics
- Use different tools:
 - Intranet, Internet
 - Web page and multimedia software
 - Information structures and management



The University Health Network (UHN)



Toronto General Hospital



Princess Margaret Hospital



Toronto Western Hospital

October, 2007

CNIA Conference



University Health Network

UHN Nursing Vision

Global Leaders in Nursing – New
Knowledge and Innovation in Patient
Centred Care

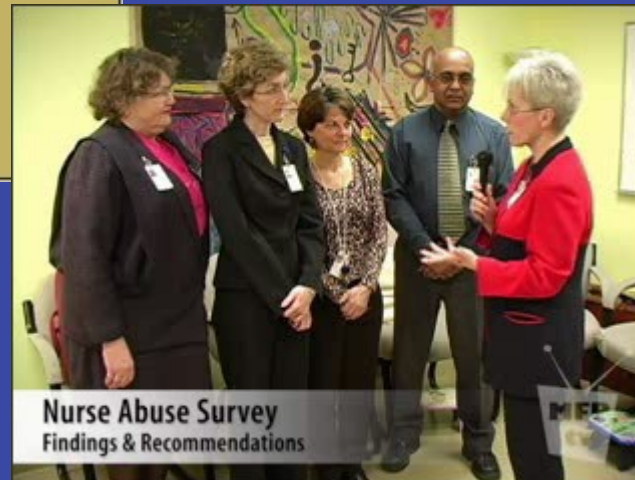


Communications Specialist

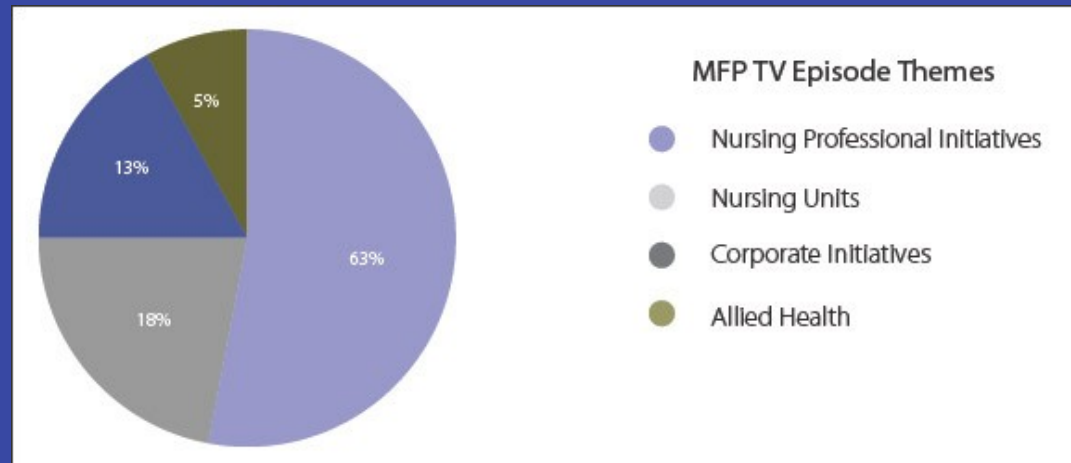
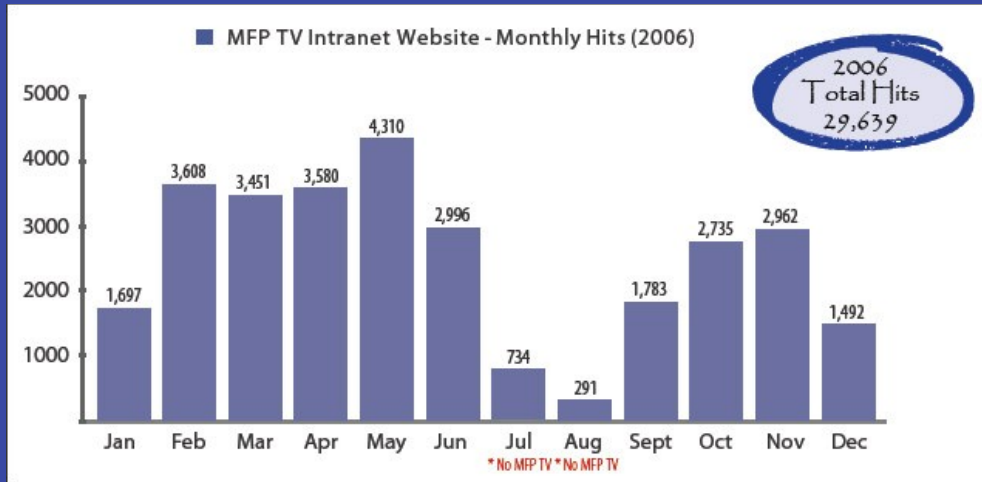
- Utilize web based technologies to share information across hospital sites separated geographically
- Create and design templates for web pages
- Standardize information
- Determine processes for content submission and maintenance
- Communicate, communicate, communicate!



Communications Specialist-MFP TV



Communications Specialist-MFP TV



Usability Expert

- Ease of learning
- Efficiency of use
- Memorability
- Error frequency and severity
- Subjective satisfaction



In-Hospital: Nursing Intranet

HOME :: HOSPITALS & ASSOCIATES :: DEPARTMENTS :: EDUCATION :: RESEARCH :: DIRECTORY SITE MAP :: HELP


Corporate Intranet

VIRTUAL LIBRARY | MANAGEMENT TOOLS | CLINICAL TOOLS | POLICIES | ONLINE FORMS | E-MAIL | FILE PORTAL

Departments A - Z
Clinics A - Z
Program Groupings

Financial Services
Human Resources
Infection Control
Legal Affairs
Medical Affairs
Nursing
Occ Health & Safety
Patient Relations
Public Affairs
Risk Management
SIMS

NURSING



"Global Leaders in Nursing – New Knowledge and Innovation in Patient-Centered Care"

Nursing at UHN

- [Achievements/Presentations](#)
- [Career Planning & Development](#)
- [Committees & Councils](#)
- [GRASP Workload Measurement](#)
- [Nursing Centres: PMH | TGH | TWH](#)
- [Nursing Informatics](#)
- [Nursing Report 2004](#)
- [Nursing Roles](#)
- [Organizational Chart](#)
- [Professional Associations](#)
- [Professional Practice Model](#)
- [Vision/Mission/Strategy](#)

Practice

- [Drug Information](#)
- [Learning Plans](#)
- [Practice Areas](#)
- [Practice Initiatives/Patient Safety](#)

Education

- [Conferences/Call for Abstracts](#)
- [Continuing Education](#)
- [eLearning](#)
- [Financial Assistance](#)
- [Orientation](#)
- [Preceptorship](#)
- [Student Nurses Website](#)
- [UHN Educational Events](#)


Research

- [Virtual Research Village](#)
- [Clinical Trials](#)

Nursing Leadership: [Resource List](#)

Practice Areas Tel: [PMH](#) | [TGH](#) | [TWH](#)

What's New?



THE NURSING CHANNEL


- Visit the new TWH OR Virtual Reference Web Site. [\[more\]](#)
- ACPF Request for Proposal - January 30, 2007. [\[more\]](#)
- Nursing Forum Call for Abstracts - February 2, 2007. [\[more\]](#)
- Malignant Hematology Nursing Education Day - February 26, 2007. [\[more\]](#)

Latest Policies

- Revised: [Operating Room Bookings](#).
- Revised: [Employee Photo Identification Cards](#).

MFP TV

On Location
Mary celebrates Telehealth Awareness Week - January 26, 2007. [\[more\]](#)



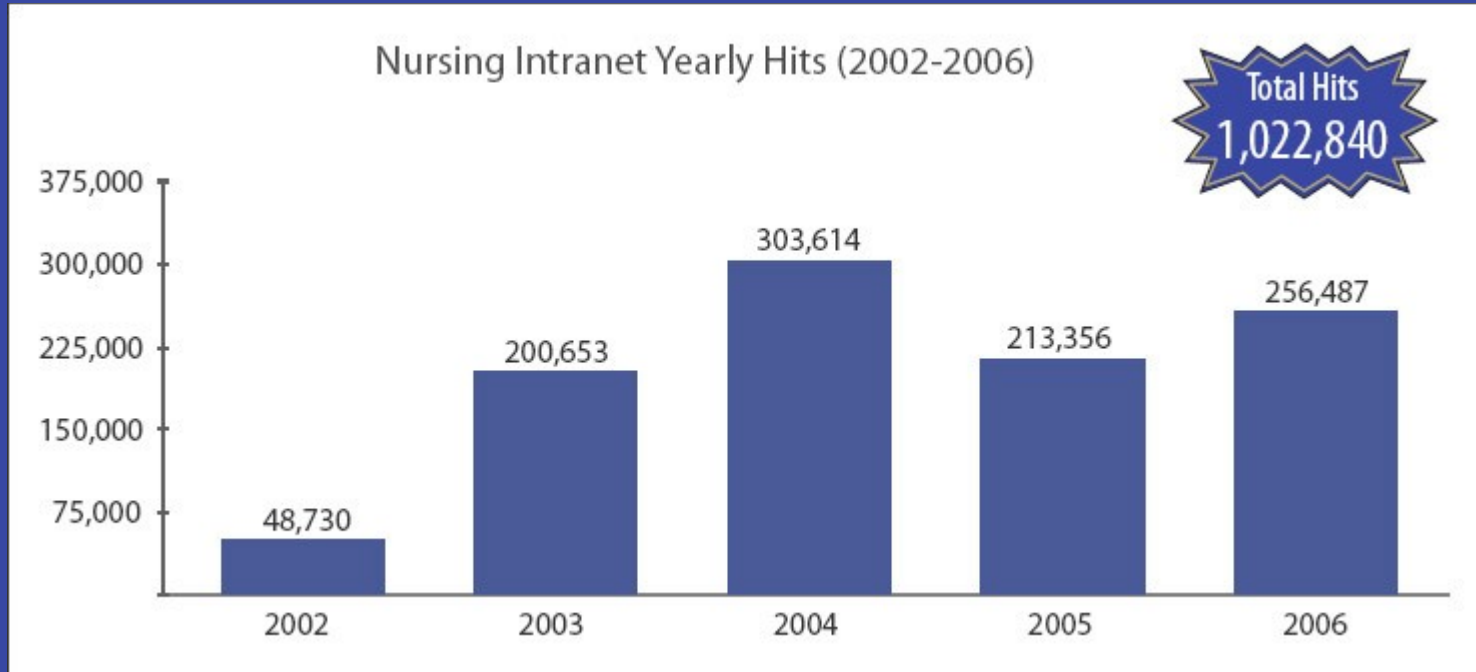
Newsdesk

Join MFP for Nursing and Allied Health News - January 22, 2007. [\[more\]](#)

In-Hospital: Nursing Intranet



In-Hospital: Nursing Intranet-Usage



In-Hospital: Nursing Intranet Testimonials

“It’s one place where any nurse can go for information”

“The Intranet is a window of opportunity for nursing that has not existed before”

“The Nursing Intranet is an empowering tool for us”



In-Hospital: Nursing Intranet Testimonials

“The nursing intranet site has proven to be a wonderful tool for the acquisition, dissemination, and storage of information for members of the nursing community at the University Health Network.”



Global Impact: Nursing Internet

University Health Network **UHN NURSING**

[HOME](#) [ABOUT NURSING](#) [PROFESSIONAL PRACTICE](#) [EDUCATION](#) [RESEARCH](#) [INFORMATICS](#) [PRACTICE AREAS](#) [RECRUITMENT](#)

"providing excellence in patient care, research and education"

Nursing News

THE NURSING CHANNEL LAUNCHES
The Nursing Channel, an innovative web-based project that was created with the support of University Health Network for nursing and other health-care professionals, has launched. [\[more\]](#)

eLEARNING COURSES FOR NURSES
Ask University Health Network nurses what's important to them, and learning is sure to be a top priority. [\[more\]](#)

RNAO ANNOUNCES MFP AS PRESIDENT
Mary Ferguson-Paré, VP Professional Affairs and Chief Nurse Executive has been appointed President of the Registered Nurses Association of Ontario (RNAO), representing more than 20,000 registered nurses. [\[more\]](#)

UHN CONFERENCES
4th Annual Malignant Hematology Nursing Education Day
- February 26, 2007
• [Conference Brochure](#)

UHN Interdisciplinary Pain Conference: Emerging Practices In Pain Management
- February 27, 2007
• [Conference Brochure](#)

Featuring...

VP & CNE MESSAGE
We are building a positive work environment to support autonomous professional practice and development for nurses at UHN. These are exciting, and yet challenging times for the nursing profession. [\[more\]](#)

MFP TV
CNE Mary Ferguson-Paré connects by video to speak with our Nursing colleagues and to share their experiences. Join us each week as we post new episodes of MFP TV both on the Newsdesk as well as On Location. [\[more\]](#)

CAREER DEVELOPMENT AT UHN
UHN Nursing provides a comprehensive career planning and development program in partnership with donnerwheeler for registered nurses at UHN. [\[more\]](#)

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Global Impact: Nursing Internet-Students



University Health Network

UHN NURSING

HOME ABOUT NURSING PRACTICE EDUCATION RESEARCH STUDENTS INFORMATICS RECRUITMENT

VISION, MISSION & BELIEFS

PRACTICE

Clinical Desktop Mays CPR

Codes

Documents

Drug Dispensing System (Proxis)

Drug Information

Baking

eLearning

Employment Opportunities

Environmental Information

Finding My Way

Forms

Infection Control

Intranet Access

Library

Lockers

Maps & Directions

Observer Privileges in the OR

Orientation Schedule

Phone System

Photo ID

Preceptorship

Privacy & Confidentiality

Shuttle Bus

Transportation/Parking

UHN Personnel

Students

UHN provides approximately 1000 clinical placements for nursing students annually and welcomes students from local nursing programs as well as students from universities across North America and around the world.

Clinical experiences take place in a wide variety of settings including in-patient tertiary care, ambulatory clinics and short stay units. Placements in specialty areas such as Intensive Care Units, Emergency Departments, Operating Rooms, and Nursing Informatics are available to a very small number of students. This usually means that placements in these specialty settings are offered to students from local colleges and universities first, and to students from out-of-town universities only after all local requests have been fulfilled.

Our goal is to ensure that student experiences provide generous opportunities to understand the comprehensive continuum of care that our patients encounter. Many undergraduate students are paired with a staff nurse preceptor who will provide consistent instruction, supervision, and feedback.

Mandatory Documentation

All nursing students and clinical faculty at UHN are responsible for reading and understanding the following prior to each clinical placement at UHN:

- [UHN's privacy and confidentiality policy](#)
- [Guidelines for ethics in clinical teaching](#)
- [UHN's infection control information](#)

Once this review has been completed, an agreement form must be signed to document completion of all three steps. We have created a "course" (course code NUU-IGN0010) in our eLearning Centre where most undergraduate student can complete and electronically sign off all these requirements, as well as accessing computer training and other courses. A durable transcript of your completion of these requirements will be created for you in the eLearning Centre. If you already have your User ID and password, click the image below to launch the eLearning Centre.



For more information about the eLearning Centre, [click here](#).

Students without access to the eLearning Centre (i.e. students in graduate and continuing education programs) should print and sign the [individual version of the agreement form](#). The signed form must accompany the student on the first day of their clinical rotation at UHN. Signed forms will be kept on file in the Nursing Education Department (EN-312, TOR).

In addition, all students must meet **Health and Safety requirements**:

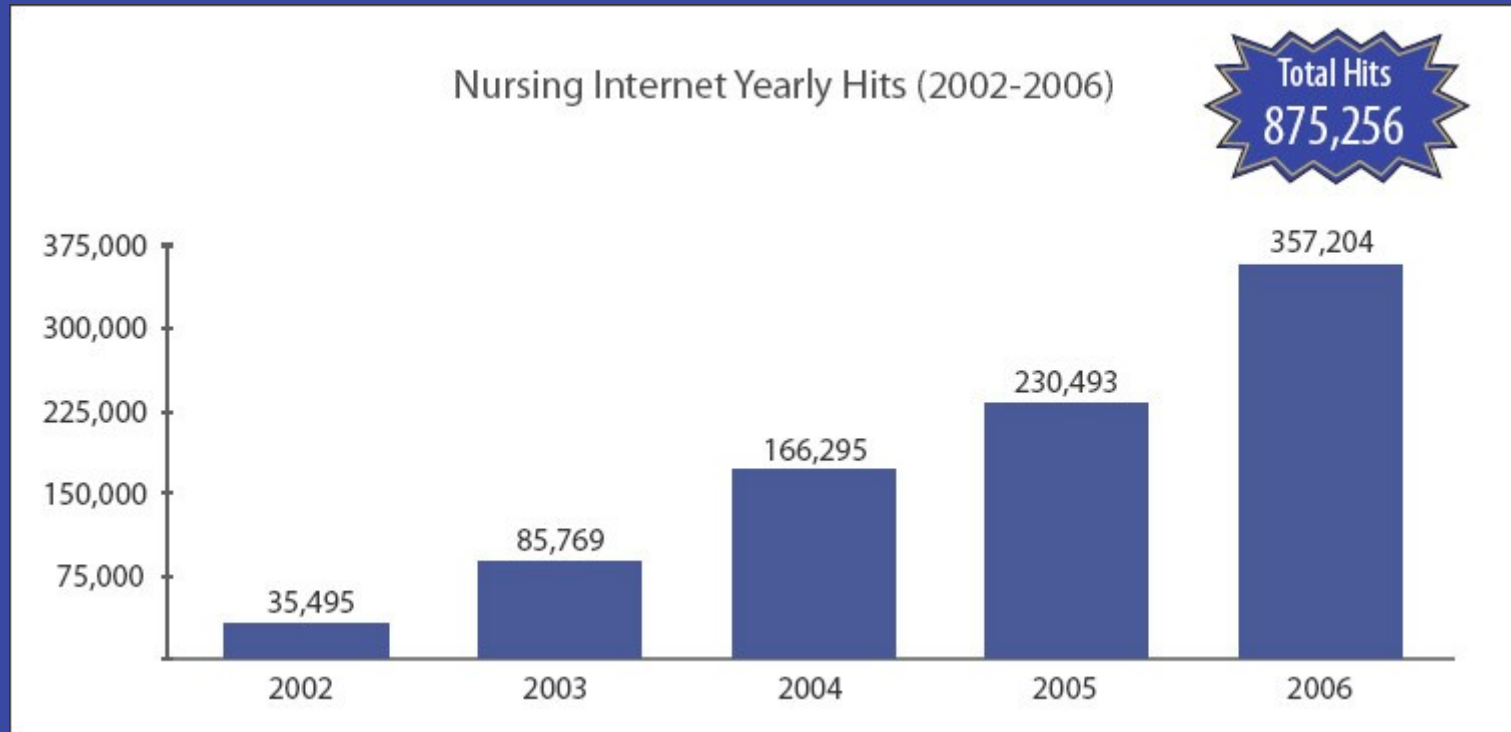
- If you are coming to UHN as part of a clinical group of students (or as a clinical faculty member), [click here](#).
- If you are coming to UHN as a student in an individual placement, AND you will be attending a UHN Nursing Student Orientation, [click here](#) to see what you need to do.
- All other students, [click here](#) to see what you need to do.

For more information about nursing clinical placements at UHN, ask your clinical placement coordinator to contact Margaret Duff, RN, MScN at nursing_education@uhn.on.ca.

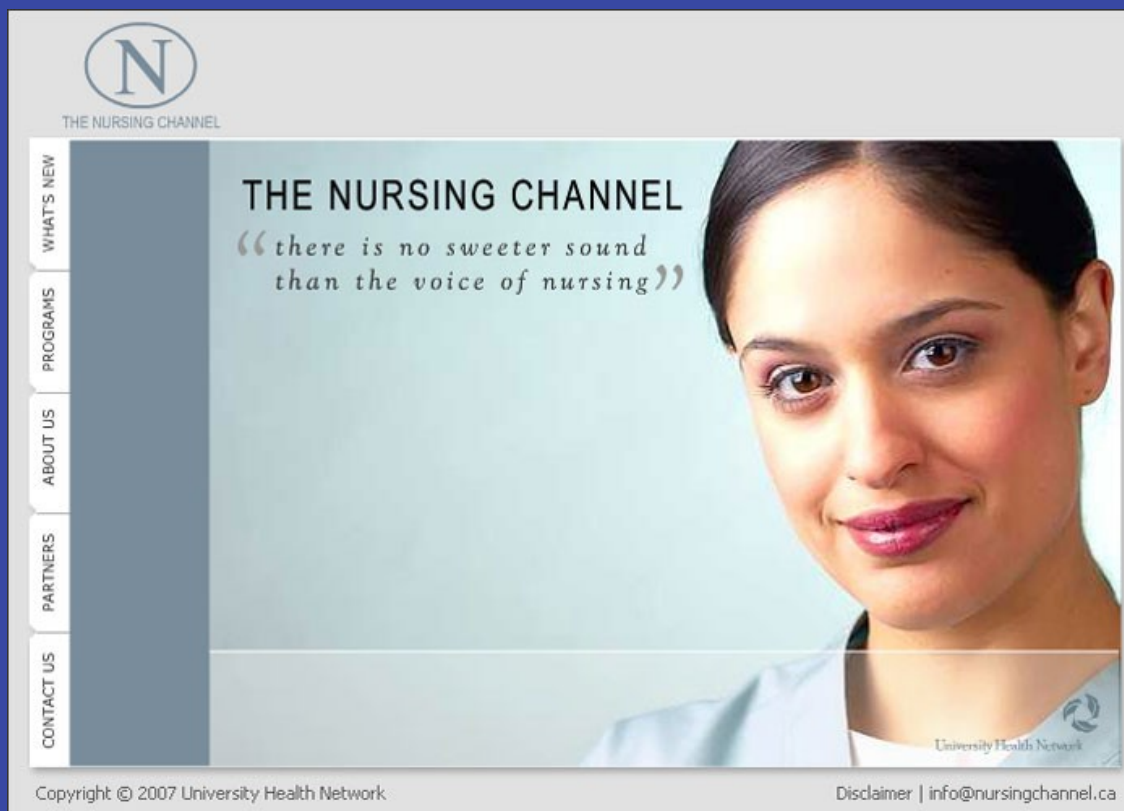
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Global Impact: Nursing Internet-Usage



Global Impact: The Nursing Channel



www.nursingchannel.ca



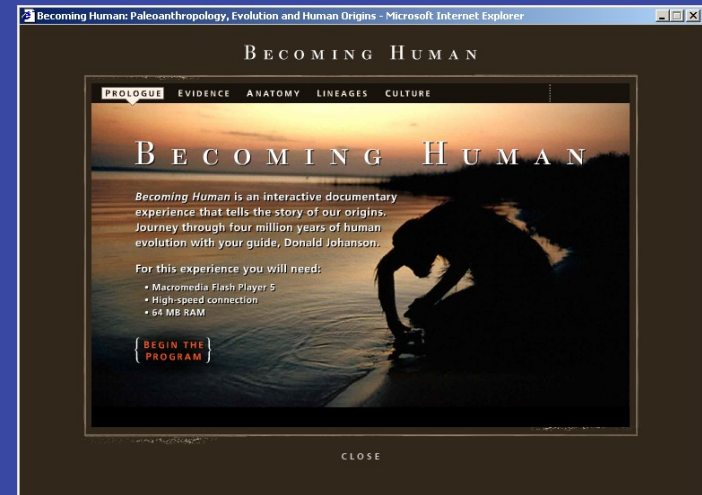
Global Impact: The Nursing Channel

The Nursing Channel profiles nursing stories and lived experiences using web-based multimedia technologies.



Global Impact: History of the Nursing Channel

- Print media move to web-based formats
- Appealing and original
- User driven experience
- Vast amounts of content
- Dramatic images
- Engaging to the audience



Global Impact: History of the Nursing Channel

*Was anyone creating these programs
for nurses?*



Global Impact: Nursing Channel-Goals

- Profile nursing stories using web-based technologies
- Use multimedia to create engaging and visually pleasing programs
- Share nursing stories with nurses, other health care professionals and the general public
- Encourage nurses to discover and use new media and web technologies



Global Impact: Nursing Channel

- Nursing support and willingness to share their stories
- Leadership support
- Funding
- IT collaboration
- Legal advice
- Launch October 26, 2006




Global Impact: Nursing Channel- Storyboards

- Identify main character
- Describe what happened
- Use pictures to set the stage
- Message of the story

Audio File Transcription - Come and See--Karibu, Tanzania


About Tanzania



Marrator:
On July 20, 2008, Maria Lippe, an advanced practice nurse at University Health Network in Toronto arrived in Dar Es Salaam, Tanzania.


Photo:
Maria seated (need to take)

Maria:
Getting to Tanzania. How long was the flight?



Maria:
Connections any adventures associated with getting there, what was customs like?

Photo:
Airport arrival.

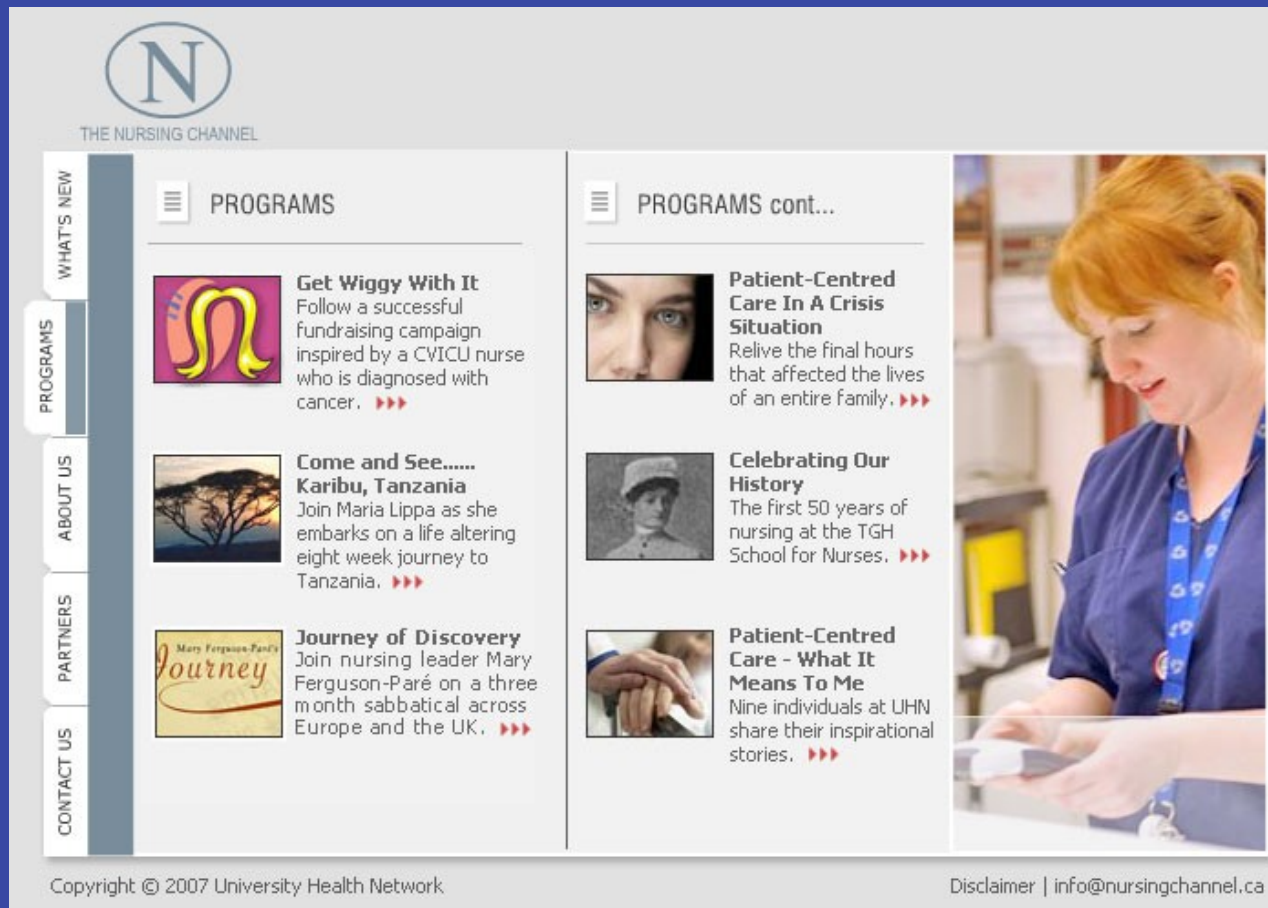


Maria:
Where is Tanzania? Population?

Photo:
Map of Africa - zoom to Tanzania and Dar es Salaam



Global Impact: Nursing Channel-Programs



The screenshot displays the website for 'THE NURSING CHANNEL'. At the top left is a logo with a large 'N' inside a circle. Below it, the text 'THE NURSING CHANNEL' is visible. A vertical navigation menu on the left includes links for 'WHAT'S NEW', 'PROGRAMS', 'ABOUT US', 'PARTNERS', and 'CONTACT US'. The main content area is divided into two columns. The left column is titled 'PROGRAMS' and lists three items: 'Get Wiggy With It' (a fundraising campaign), 'Come and See..... Karibu, Tanzania' (a journey to Tanzania), and 'Journey of Discovery' (a sabbatical across Europe and the UK). The right column is titled 'PROGRAMS cont...' and lists three items: 'Patient-Centred Care In A Crisis Situation' (relieving the final hours of a family), 'Celebrating Our History' (the first 50 years of nursing at the TGH School for Nurses), and 'Patient-Centred Care - What It Means To Me' (inspirational stories from UHN individuals). A large photograph on the right side of the page shows a nurse in blue scrubs working at a desk. At the bottom of the page, there is a copyright notice for 2007 University Health Network and a disclaimer with the email address info@nursingchannel.ca.

THE NURSING CHANNEL

PROGRAMS

Get Wiggy With It
Follow a successful fundraising campaign inspired by a CVICU nurse who is diagnosed with cancer. >>>

Come and See..... Karibu, Tanzania
Join Maria Lipka as she embarks on a life altering eight week journey to Tanzania. >>>

Journey of Discovery
Join nursing leader Mary Ferguson-Paré on a three month sabbatical across Europe and the UK. >>>

PROGRAMS cont...

Patient-Centred Care In A Crisis Situation
Relive the final hours that affected the lives of an entire family. >>>

Celebrating Our History
The first 50 years of nursing at the TGH School for Nurses. >>>

Patient-Centred Care - What It Means To Me
Nine individuals at UHN share their inspirational stories. >>>

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Global Impact: Nursing Channel

'Enacting Patient-Centred Care in a Crisis Situation'

It is the story of cardiac nurses who changed how care was delivered in a crisis by allowing the family members to stay with their loved one during multiple codes.

Impact:

UHN ER conducting a research project to explore the feasibility and implications of allowing family members to remain in the room during critical situations. They will collaborate with the cardiac nurses who lived the experience.



Global Impact: Nursing Channel

'Come and See....Karibu, Tanzania

It is the story of Maria's eight-week journey to Tanzania. In this life-altering journey she had the opportunity to be present among the people and to learn and be witness to the many challenges in their health-care needs and their struggles.

Impact:

Since this story aired Maria has had numerous nurses approach her about her experience, many of whom wish to volunteer as well.



Global Impact: Nursing Channel-

'That's what it means to be a nurse'

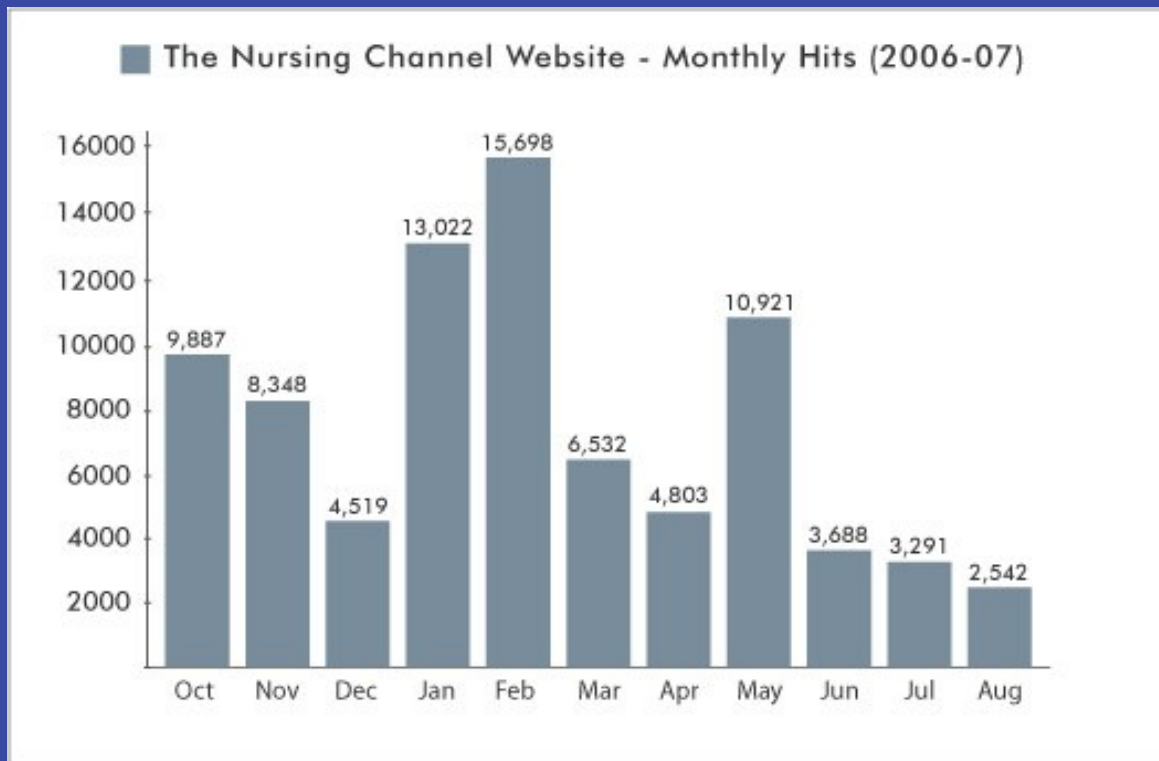
A nurse in Winnipeg was working on a storytelling project to occur during Nursing Week, 2007. The nursing stories were shared with a professional storyteller who recounted the nursing experiences to a larger in-hospital audience which was videotaped.

Impact:

This is the first external collaborative project Nursing Channel is currently developing the stories into a multimedia format for publication to the Internet.



Impact of the Nursing Channel



Challenges

- Managing expectations
- Content management
- Coordination with content authors
- Keeping the site fresh
- Communication



Conclusion

- There is a viable role for a NI Specialist in Web based technologies and communications for nurses
- Intranet and Internet are important mediums for communication and dissemination of information to all nurses
- Provides an opportunity to present information about Nurses and Nursing
- Web based initiatives must be easy to navigate, updated regularly, and accessible



Questions?

