

Celebrating 20 years

1995-2015

www.nsnig.ca

1995- A Look Back



- Jean Chretien was PM
- Bill Clinton was President of US
- 50th anniversary of VE (end of WWII)
- United Nations celebrated 50th anniversary
- Murrah Federal Building in Oklahoma City bombed – 168 dead
- Braveheart won the Academy Award
- New Jersey Devils won the Stanley Cup
- ER – one of the top TV Shows

1995- A Look Back



- Toonie was introduced
- Opening of Parliament televised for 1st time
- Alexa McDonough – leader of NDP
- G7 in Halifax
- Dr. John Savage was Premier of NS
- Dr. Ron Stewart was NS Min of Health
- Legislation finalized for the amalgamation of VG, CHMC, NSRC & NSCC (happened 1996) to form QEII
- HRM Act received royal assent in the NS legislature (happened 1996)

1995- A Look Back



- Microsoft releases Windows 95
- eBay started online auction & shopping website
- Toshiba develops the digital versatile disk or DVD
- Internet giant Yahoo is incorporated
- Sun Microsystems releases and deploys Java programming language



1995- A Look Back



- IWK – began implementation of Meditech MAGIC in 1988
- CMHC, VG, NSRC, CMC, NSCC, NSH, DGH collaborated to develop system requirements for a clinical information & selection of vendor partner (First live 1996 at NSH and then 1998 for QEII)
- Cape Breton led a similar requirements exercise for the rest of the province (live 2003)



Technology 1995



- Office PC's
- PC's in Finance & HR
- Few Cell Phones/ Few Email Accounts
- Diagnostic Departments – Systems
- Systems in some Admitting Departments
- Health Records
- Limited systems in Primary Care, Community & Public Health



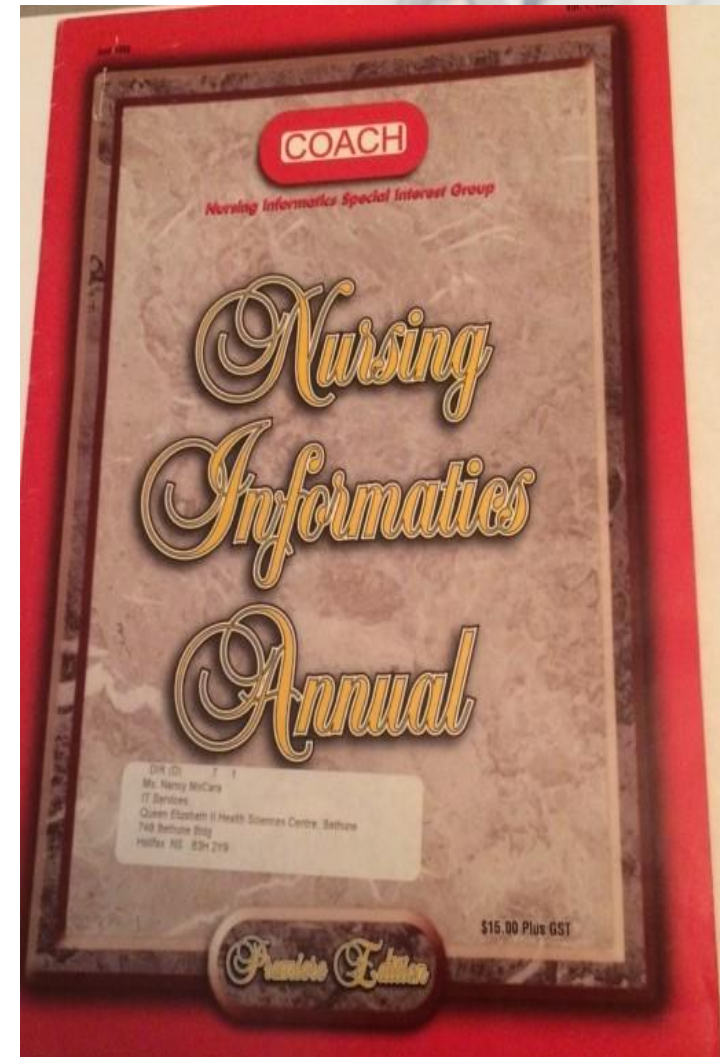
1995 Presentation Mode

- Transparencies
- Coloured Markers
- Photocopy



www.shutterstock.com · 111141656

- 1990 – Canadian Nursing Informatics SIG in was formed at Annual COACH Conference
- One goal was to provide leadership for establishment of provincial NI SIG's
- Other goals included linkages with CNA, communication, education, and understanding the “state of the art” of nursing informatics in Canada
- Published of the Nursing Informatics Special Issue 1998



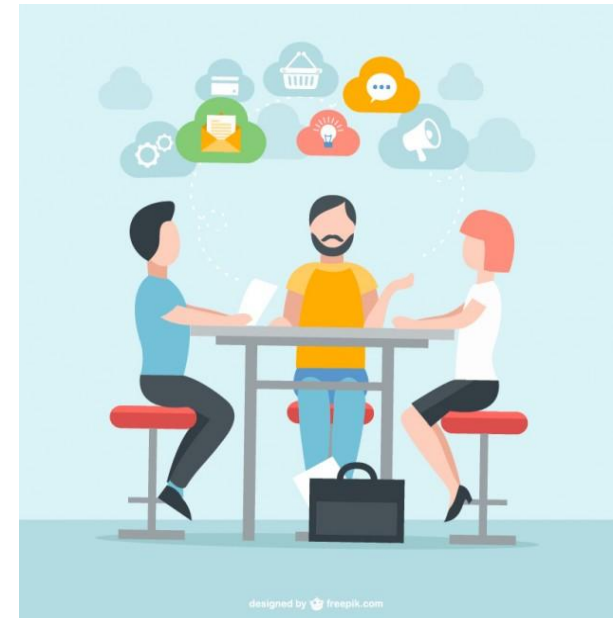
Genesis of Nova Scotia Nursing Informatics Group

- November 17, 1994 – Meeting RNANS (9 nurses)
- Special Interest Group (RNANS Special Interest Group Guidelines)
- Nurses at meeting involved in selection & implementation of Nursing Information Systems
- Executive Elected
- Draft By-laws prepared, membership fee, goals & objectives scoped
- May 11, 1995 – Meeting at Sydney (26 members)
- Ratification of by-laws
- June 1995 – Incorporated as official Non Profit Organization with Registry of Joint Stocks



NSNIG Organizational Structure

- **Bylaws (Rules)**
- **Executive**
 - **7 member team**
 - **Past President**
 - **President**
 - **President Elect**
 - **Secretary**
 - **Treasurer**
 - **Education**
 - **Public Relations**
- **Meetings**
 - **Halifax (most members in this area)**
 - **Teleconferences**
- **Frequency – approximately 9 per year**
 - **1 – 1½ hours in length**
 - **AGM**



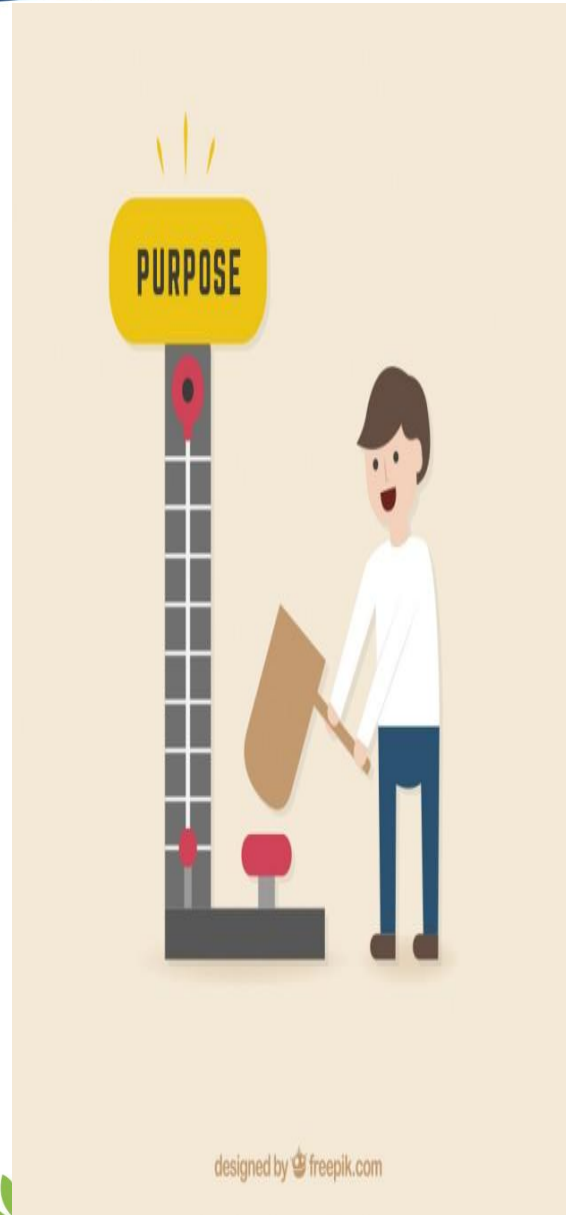
Mission

To promote and develop the advancement of Nursing Informatics



Objectives

1. Serve as a Nova Scotia network and resource for individuals and/or groups interested in informatics
2. Provide informatics educational forum for the membership
3. Liaison with informatics professionals at the Provincial, National and International levels
4. Promote informatics education at the nursing undergraduate level





Meetings



- 1995 ~ 2005 – meetings were held face to face primarily in Halifax
- 2005 ~ 2012 – meetings were by teleconference usually during lunch break
- 2012~ present – web hosting (Lync)
- Surveys done to determine most appropriate meeting times







NSNIG Linkages



1995

- **Registered Nurses Association of Nova Scotia – now the College of Registered Nurses of Nova Scotia** (relationship is one of communication & liaison)
- NSNIG – one of 18 special interest groups in nursing
- **Canadian Nurses Association** – www.cna-aiic.ca/en
- **International Council of Nurses** - www.icn.ch







Dr. Judith Shamian
President
International Council of
Nurses



NSNIG Linkages

2003

- **Canadian Nursing Informatics Association** www.cnia.ca
 - NSNIG – representative on CNIA Board of Directors
 - Eligible to serve in Offices on CNIA Board of Directors
 - CNIA- affiliate status with **COACH** (Canada's Informatics Association) providing a linkage with the informatics community www.coachorg.com
 - Link through COACH to **International Medical Informatics Association Special Interest Group Nursing Informatics** www.imia-medinfo.org





Pat Rothney
Past President CNIA



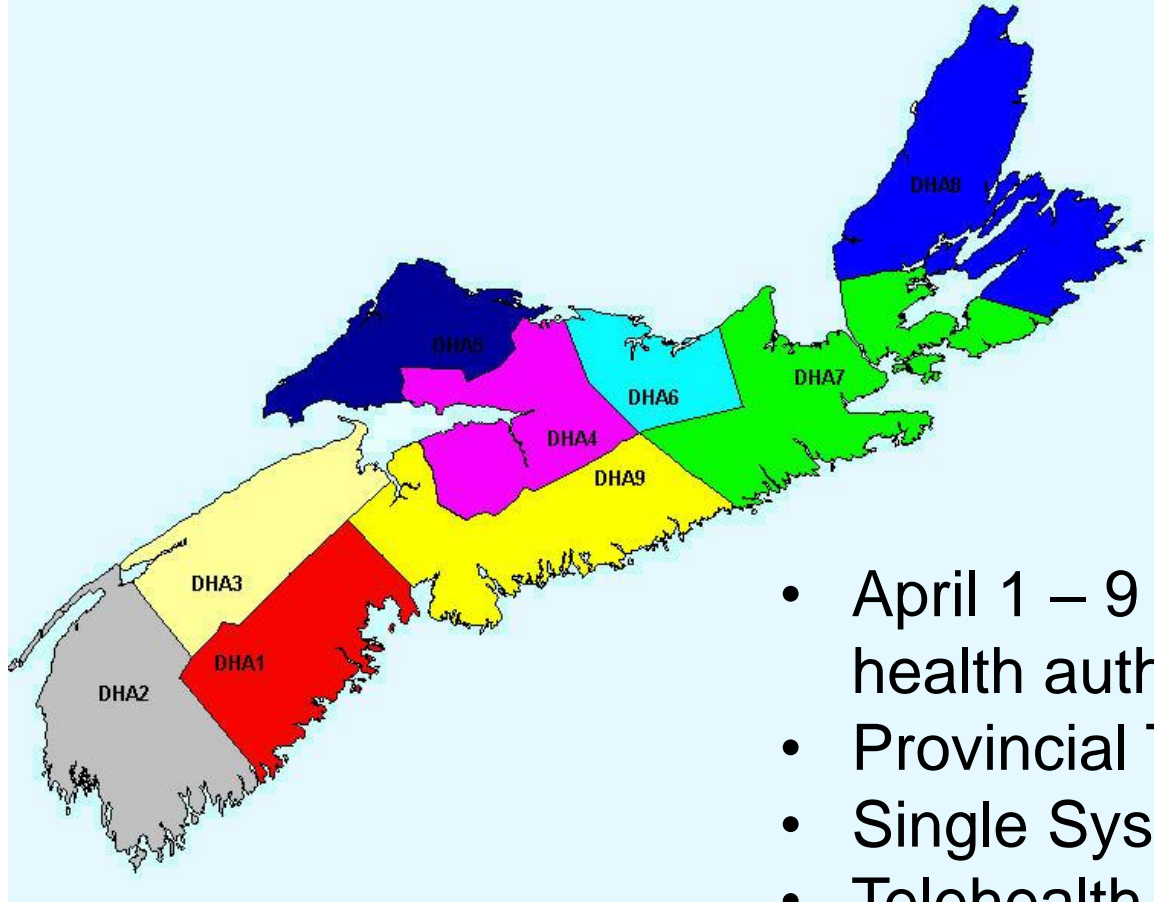
Trends/Issues 1995



- Shrinking Budgets
- Regionalization/Shared Services
- Community Practice
- Integrating Systems Across Separate Facilities
- Move to Off-site storage of Health Records
- Electronic Chart- what does this mean?
- Data Ownership
- Ergonomics – impacts & considerations
- Minimum Data Sets – standards



2000– Nova Scotia Health Footprint



- April 1 – 9 DHA's became 1 health authority (4 zones)
- Provincial Think
- Single System Solutions
- Telehealth, PACS, SHARE, FNS, Bed Mgt, NSEC, Nuance, DIIS, EMR, E-learning, Email, Lync

Provincial Authority Management Zones



Trends/Issues 2015



- Shrinking Budgets
- Provincial/Zone Services
- Service provision in community
- Wellness Focus
- Empowering the Consumer
- Recognition of need for Common Language/Data Standards
- Shift to Data custodial responsibilities
- Ergonomics Considerations & Impacts
- E-learning Focus
- Ubiquitous Technology (wireless, smartphones, tablets, wearable technology, storage devices, etc.)



JAVA™ PROGRAMMING

**for kids, parents
and grandparents**



YAKOV FAIN

Resource Activities

- ✓ Resource for CRNNS
 - Reviewed CNA strategic plan for Nursing Informatics
 - Reviewed CIHI working groups draft reports
 - Reviewed ICNP Strategy
 - Prepared educational session on Nursing Minimum Dataset
- ✓ Resource for students, staff and other professionals
- ✓ CNIA
 - Participated in the Development of Bylaws
 - Completed Survey for Infoway Funded Project, “Educating Tomorrow’s Nurses, Where is Nursing Informatics”
 - Responded to Information Requests
 - Participate in Strategy Day







Educational Activities

- Planning Conferences every 2nd year
- Website www.nsnig.ca
- Newsletters
- Survey – Advancing Nursing Informatics in the Workplace
- Participated or Lead Journal Club Sessions





[Membership](#) [Nursing Informatics](#) [Resources](#) [Members Only](#) [About NSNIG](#)

Welcome to

Nova Scotia Nursing Informatics Group

Explore our site and discover



Nursing Informatics Journal Club

A **collaborative** initiative
between the New Brunswick
Nursing Informatics Group
(NBNIG) & the Nova Scotia
Nursing Informatics Group
(NSNIG)



Conferences

- 1995 Nursing Informatics: Laying the Foundation
- 1996 Nursing Informatics & Health Care Reform
- 1997 Integrating Nursing Information across the Health Care Continuum
- 1998 Focus Group on Nursing Care Elements
- 2001 International Classification for Nursing Practice
- 2003 Nursing Informatics: The Key to the Future
- 2005 Nursing Informatics: Past, Present & Future
- 2008 Improving Patient Care Through Nursing Informatics
- 2011 Nurses Embracing Change in an Electronic World
- 2013 Building Bridges- Making Connections





Lynn Nagle



Sue Newbold



Sally Remus



June Kaminski



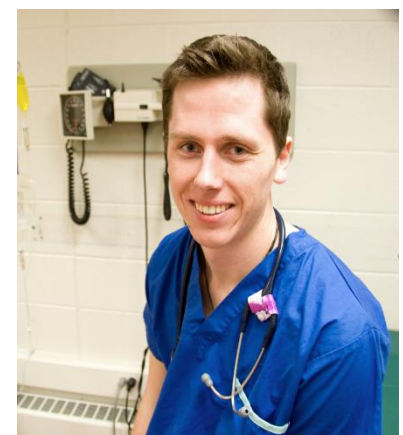
Roy Simpson



M. A. Kennedy



Peggy White



Robert Fraser

Networking Activities

- Poster Displays – CRNNS & IMICH
- CNIA Representation
- Speakers at Conferences
- Wine & Cheese at Conferences
- Reviewer for Journal Articles
- Free Memberships at Conferences

(CRNNS AGM, CNIA workshop Nursing Informatics, Essential Tools for Preparing Nurses of the Future held at a CNA biannual conference)



Nova Scotia
Nursing Informatics
Group (NSNIG)

Did you know
all Nurses practice
informatics daily.

What is
Nursing Informatics?

NSNIG
Needs You!!

Clinical



Education



Research



Advocacy

The Goal of Nursing
Informatics is to put the
Nurse in the center of the
information technology
revolution.

What is NSNIG?
A group of nurses from
Nova Scotia who are
interested in the use of
information technology in
nursing.

There is a need for
nursing informatics
education and training
for all nurses.

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Nova Scotia Hospital Information System



Time forms
er ca







Promote Nursing Informatics Education

- Mentor students
- Presentations to University Nursing Informatics Students
- Foster Student Participation in Conferences
- Participate Projects







Mora

LYNN

Whidden's



Website

I AM A FOURTH YEAR NURSING STUDENT AT SAINT FRANCIS XAVIER UNIVERSITY IN ANTIGONISH, NOVA SCOTIA. I AM TAKING A COURSE CALLED NURSING INFORMATICS. FOR THIS COURSE I HAVE DESIGNED A WEB PAGE DEALING WITH HIV AND AIDS. THE LINKS GIVE YOU MORE INFORMATION ABOUT HOW NURSES AND CLIENTS DEALING WITH AIDS CAN IMPROVE THEIR CARE. IF YOU ARE INTERESTED IN MORE INFORMATION YOU CAN EMAIL ME AT 2009llynn@fxu.ca.

HIV and AIDS

THE NUMBER OF PEOPLE WITH HIV AND AIDS WORLDWIDE IS DEVASTATING. THERE ARE 33.6 MILLION PEOPLE WORLDWIDE WHO HAVE AIDS. ALREADY 16.3 MILLION PEOPLE HAVE DIED FROM AIDS SINCE IT WAS FIRST DISCOVERED. MOST OF THE PEOPLE LIVING WITH AIDS LIVE IN THE SUB-SAHARA AFRICA (WHO, 2003). NURSES AND OTHER HEALTH CARE PROFESSIONALS NEED TO BE INFORMED ABOUT HOW TO CARE FOR PEOPLE WITH HIV AND AIDS SO THAT THEY CAN EDUCATE AND PREVENT THE TRANSMISSION OF THIS DEADLY DISEASE.



WHO

<http://www.who.int/diseases/hiv/aids/en/index.html>

I CHOSE THE WORLD HEALTH ORGANIZATION'S WEBSITE BECAUSE OF THE VAST AMOUNT OF INFORMATION ABOUT HIV AND AIDS THEY HAVE. FACT SHEETS THAT CONTAIN REFERENCES FOR NURSES AND OTHER HEALTH PROFESSIONALS WHO ARE CARING FOR INDIVIDUALS WITH HIV AND AIDS. THE WORLD HEALTH ORGANIZATION IS A REPUTABLE ORGANIZATION WHO UPDATES THEIR WEBSITE ON A REGULAR BASIS.



CATTIE

<http://www.catie.ca/healthcanada.html>
I CHOSE THIS WEBSITE BECAUSE HEALTH CANADA UNDER THE CANADIAN STRATEGY ON HIV AND AIDS FUNDS IT. THE INFORMATION ON THIS SITE IS DIRECTED TOWARDS PEOPLE LIVING WITH HIV AND AIDS. THIS WEBSITE HAS PERTINENT INFORMATION FOR THESE INDIVIDUALS AND SEVERAL LINKS TO OTHER HIV AND AIDS SITES.

HEALTH CANADA

<http://www.healthcanada.gc.ca/english/diseases/aids/index.html>
I CHOSE HEALTH CANADA'S WEBSITE BECAUSE OF THE CANADIAN CONTENT. THERE ARE VARIOUS REPORTS AND RESEARCH. THIS WEBSITE IS CURRENT, ACCURATE AND RELIABLE.



Current Method for Accessing Policies

- Many clinical policies available on Meditech system. Staff received education about computer use. Accessible to all clinical staff and copies easily printed on hard copy
- Some clinical policies in Administrative Manual (available only in hard copy). In process of being merged
- 3-year strategic plan with 1/3 policies to be completed each year
- Other policies in hard copy only (Admin, etc.)

Challenges

- Strategic Plan for development and approval process
- Merge policies to avoid duplication and overlap
- Intranet planning to have all policies readily accessible to all staff

Policy Development Tools

- Guidelines developed for Policy Development teams. Provides information and education about policy/protocol/procedure/guideline writing
- Checklist for each policy - database for tracking policy development/approval progress

POLICIES & PROCEDURES

Joanne Tresson, RN, BScN, CNA, MBA
Tiphany L. Wilson, RN, BSc, MBA

VISION FOR FUTURE

- Interactive learning; multimedia
- Reference texts on-line
- Provincial network/strategy; Common policy and procedure documents

Provincial Approach

- Informal and Non-Structured
- Nova Scotia Policy & Procedure Network
- Formal and Structured
- Common policies
- Standardized definitions
- Consistency and standardization
- Savings
- Timeliness
- Best practice

Guiding Principles CDHA & IWK

- Move from a Discipline Specific model to an Interdisciplinary model
- Standard approach
- Common definitions
- Streamline numbering system
- Archiving (27 years)



Key Definitions related to security of information

- 1 Policy: The right of an individual to control the use of their personal information and the use of that information. This is the right of information self-determination. (CIC/CIPI, 2001)
- 2 Confidentiality: The right of an individual to control the use of their personal information and the use of that information. This is the right of information self-determination. (CIC/CIPI, 2001)

Key Definitions Cont'd...

- 3 Personal health information: Information that is collected, used, or disclosed in the course of providing health care services. This includes information about an individual's health, the health of others, and the health of the community. (CIC/CIPI, 2001)

Goal of PROTECT® Session

- 1 To heighten awareness of maintaining security and confidentiality of Patient and Health Information.
- 2 To foster a security-conscious organizational culture.

Recommended Policies for Security of Information

- Health care facilities should consider having policies in place to support security of patient and health information. Examples are:
- 1 Confidentiality
 - 2 Security of Access to the Health Centre Information System (HCIS)
 - 3 INTERNET Access
 - 4 Security of Secondary/Linked Databases Containing Health Centre Data
 - 5 Use of Health Centre Patient Records for Research Purposes
 - 6 Electronic Mail (E-mail) Usage
 - 7 Faxing
 - 8 Release of Information
 - 9 Retention and Destruction

PROCEDURES

UTURE

g: multimedia
o-line
/strategy;
d procedure

NSR

Guiding Principles CDHA & IWK

- Move from a Discipline Specific model to an Interdisciplinary model
- Standard approach
- Common definitions
- Streamline numbering system
- Archiving (27 years)

NSR

Key Definitions related to security of information

- 1 **Privacy:** The right of an individual's control over his or her personal health information and control over its disclosure. This is known as the right of an individual to control his or her access to his or her health information and control over its disclosure.
- 2 **Confidentiality:** Ensures that information is accessible only to those authorized to have access and respects the privacy of the information that is disclosed. This refers to the original process for which it was collected.

NSR

Key Definitions Cont'd...

- 3 **Personal health information:** Any information in any form - electronic, written, verbal, photographic, video, etc. about an identifiable person. This includes information specifically related to a person's medical condition, as well as information not directly related to a person's health but that is related to a person's health or health insurance activities, including a person's health insurance number. This also includes genetic information and blood and tissue samples (adapted from CDHA, 2007)

NSR

Key Definitions Cont'd...

- 4 **Security:** The right of an individual's control over his or her personal health information and control over its disclosure. This is known as the right of an individual to control his or her access to his or her health information and control over its disclosure.

NSR

Security of Patient and Health Centre Information Education Session

How do you PROTECT®
the privacy of the
information you have
access to?

NSR

Goal of PROTECT® Sessions

- 1 To heighten awareness of maintaining security and confidentiality of Patient and Health Centre Information.
- 2 To foster a security-conscious organizational culture.

NSR

What does PROTECT® mean?

- P rivity of all information is the
- R esponsibility of everyone in our
- O rganization.
- T echnology should
- E nhance the
- A re we provide, not
- T hreaten it.

NSR

Recommended Policies Re: Security of Information

Health care facilities should consider having policies to support security of patient and health centre information. Examples are:

- 1 Confidentiality
- 2 Security of Access to the Health Centre Information System (HCIS)
- 3 INTERNET Access
- 4 Security of Secondary / Linked Databases Containing Health Centre Data
- 5 Electronic Mail (E-mail) Usage
- 6 Faxing
- 7 Retention and Destruction of Information
- 8 Retention and Destruction of Information

NSR

By Law....

All health care facilities in Nova Scotia are bound by laws to protect the patient's right to privacy.

- Nova Scotia's Hospitals Act
- Nova Scotia Freedom of Information and Protection of Privacy (FOI/PPP) Act
- Portions of the Federal, Personal Information Protection and Electronic Documents (PIPEDA) Act

NSR

Consequences of Non-Compliance

- Violations in the privacy or protection of information could result in:
- 1 Loss of privacy - to patient or health centre data
 - 2 Loss of trust - of our patients, our colleagues & others
 - 3 Loss of data - such as a database with critical work
 - 4 Loss of access - unable to do your job without access
 - 5 Loss of your job - suspension or termination
 - 6 Could face, against you - you are liable for the health centre

NSR

The Focus is on Security

- 1 How do you protect the privacy and protection of your data?
- 2 How do you protect the privacy and protection of your data?
- 3 How do you protect the privacy and protection of your data?
- 4 How do you protect the privacy and protection of your data?
- 5 How do you protect the privacy and protection of your data?
- 6 How do you protect the privacy and protection of your data?
- 7 How do you protect the privacy and protection of your data?
- 8 How do you protect the privacy and protection of your data?

NSR

Your Responsibility

Following every information whether it is in its physical form or in its electronic form, you have a responsibility to protect it. This includes the physical security of the information and the security of the information itself. You are responsible for the security of the information that you are given to protect.

NSR

Working Group involved in developing PROTECT®

NSR

<http://www.stfx.ca/people/x2000/x2000ixv/N497website>

http://www.stfx.ca
The Saint Francis Xavier University (SFU) website is the official site for the university and provides information about the location of the university, the latest news, current events, and also about campus life. It provides SFU students with links to check their e-mail, grades, and access to the online library.



http://www.stfx.ca
Students can use an interesting website that provides many articles, news, and the latest on life at SFU as a means to a better way. It has many links and contains about 100 articles. It is not a website for your research site but, nevertheless, it is interesting.

Holly's Web Page

My name is Holly Richard and I developed this Web page in my NURSING INFORMATION (N497) class. N497 is one of the open elective I choose to complete my Bachelor in Science in Nursing at SFU's University. Clicking here will take you to the N497 website.

There is a picture of the N497 class taken one consideration that it was taken 9 days Sunday morning.

Click here to go to N497 website
N497 is one of the open elective I choose to complete my Bachelor in Science in Nursing at SFU's University. Clicking here will take you to the N497 website.

This one of my favorite website called **Cartoonists**. It is a really humorous way to look at life as a student nurse and it is going to be good. There is an example of one of the cartoon strips, however, there are many more on the website.

Cartoonists

Alzheimer's Disease
Helping Families to Cope with the Disease

Alzheimer's Disease is the most common, but difficult to diagnose type of dementia. Alzheimer's Disease is a mental deterioration caused by changes (neuro-physiology) and brain (neurochemistry) changes of the brain. It is a neurodegenerative brain disease which is arranged in an orderly manner. In Alzheimer's disease, the brain's neurochemistry and neurophysiology and their inter relationship in the brain steps (neurochemistry) part of the brain dies, and the neurons that cells control such as memory, reasoning, and the ability to take care of one's self will fade away. In more severe-dementia stages, brain, mental decline deteriorates further, this is a state called progressive dementia (Dementia, 2000).

How to cope with Alzheimer's
(From the Daily Canada, 1995)

There are many ways in which one can support family members who have a loved one afflicted by Alzheimer's disease such as:

- helping them to understand the disease and what symptoms are expected
- providing the family with information about community resources that are available (e.g. food, or wheelchairs, etc.)
- providing helpful tips to handle activities of daily living (dressing, eating, driving, etc.) to make these activities easier and more enjoyable
- stimulate the expression of social and recreational activities such as reading, singing and interacting with peers
- help them to understand why the person is exhibiting such different behaviors

• express empathy and support and answer their questions

For more articles and support facilities and services with Alzheimer's Disease visit **Health Canada's website** about Alzheimer's Disease. This is a free website and very user friendly. It provides information about the disease, its symptoms, and what to do about it. It also contains information about the disease, its symptoms, and what to do about it. It also contains information about the disease, its symptoms, and what to do about it.

Alzheimer's Disease Education
A user friendly and interactive website about Alzheimer's Disease. It also provides information about the disease, its symptoms, and what to do about it. It also contains information about the disease, its symptoms, and what to do about it.

This is a great personal account about experiences with Alzheimer's Disease.

Click here to go back

Page developed by Holly Richard, MSN, RN, N497

I chose to do my Nursing Information assignment on Alzheimer's disease because of the devastating effects it has on people's lives. Alzheimer's disease not only affects the person experiencing the disease but it also impacts on their caregivers, family, and friends. I believe that providing well help people with Alzheimer's disease and their family that with the effects of the disease and signs in the most positive way possible.



http://www.healthcanada.gc.ca
Health Canada is an excellent site to find any information about health topics, diseases, and current health issues in Canada. It is a reliable site because it is developed by the government of Canada, the site is easy to navigate through, has pertinent information, and it is updated regularly.

http://www.alzheimer.ca
The Alzheimer's society website is also an excellent source of information about Alzheimer's disease. It has tips for caregivers and also treatment options for the disease. This site has relevant and pertinent information and is updated regularly.

http://www.alzheimer.org
This website is about Alzheimer's disease education. It is simple to navigate through and has pertinent information about causes, symptoms, diagnosis, treatment, help for caregivers, and current research about the disease. This is a reliable site because it was developed by the US Department of Health and Education and that provides readers with a means to contact help for further information. This site is updated regularly.

http://www.healthcanada.gc.ca
This site is not a scientific site or meant to give health information about Alzheimer's disease, however, it does provide readers with other people's personal stories about experiences with the disease. This is not a reliable health information site and is not updated regularly.



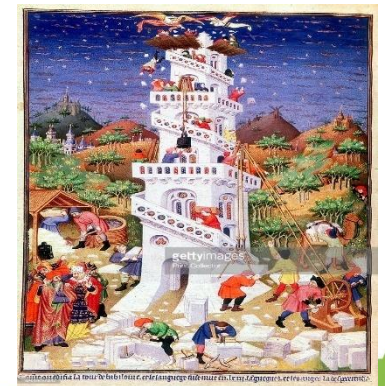
Changing Attitudes Over 20 Years

- Survey to Access Computer Competency in 1995
 - Today almost everyone has a computer/tablet at home
- Most training/education done in classrooms in 1995
 - Today high proportion of training/education done via e-learning
- Informatics Role in 1995 not considered to be “real nursing”
 - Today recognition growing of the informatics roles needed
 - Presently no certification for nursing informatics in Canada
- Clinicians in 1995 were concerned time was spent on caring for the computer versus the patient
 - Today major concern if system is down
- Very little or no support for Disaster recovery initiatives
 - Today system implementation planning includes disaster recovery



Changing Attitudes Over 20 Years

- Nursing data is absent from DAD and national data repositories. Nursing is invisible.
 - Today strong recognition of the need for this to happen.
- Lots of Effort in standards development.
 - NMDS, HI:NC, ICNP & C-HOBIC
- International Council of Nurses and SNOMED International have announced a collaboration to complement each other's terminologies.



International Classification of Nursing Practice

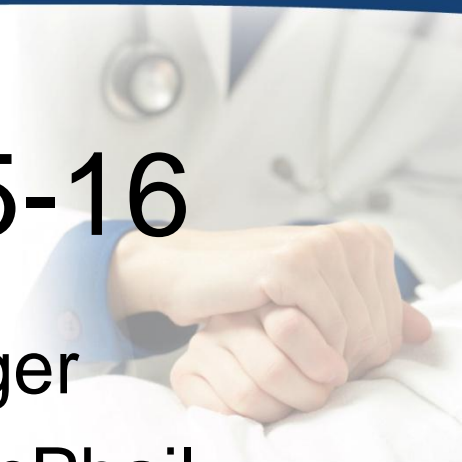




You mean all
this will fit
In my pocket!!



NSNIG Executive 2015-16



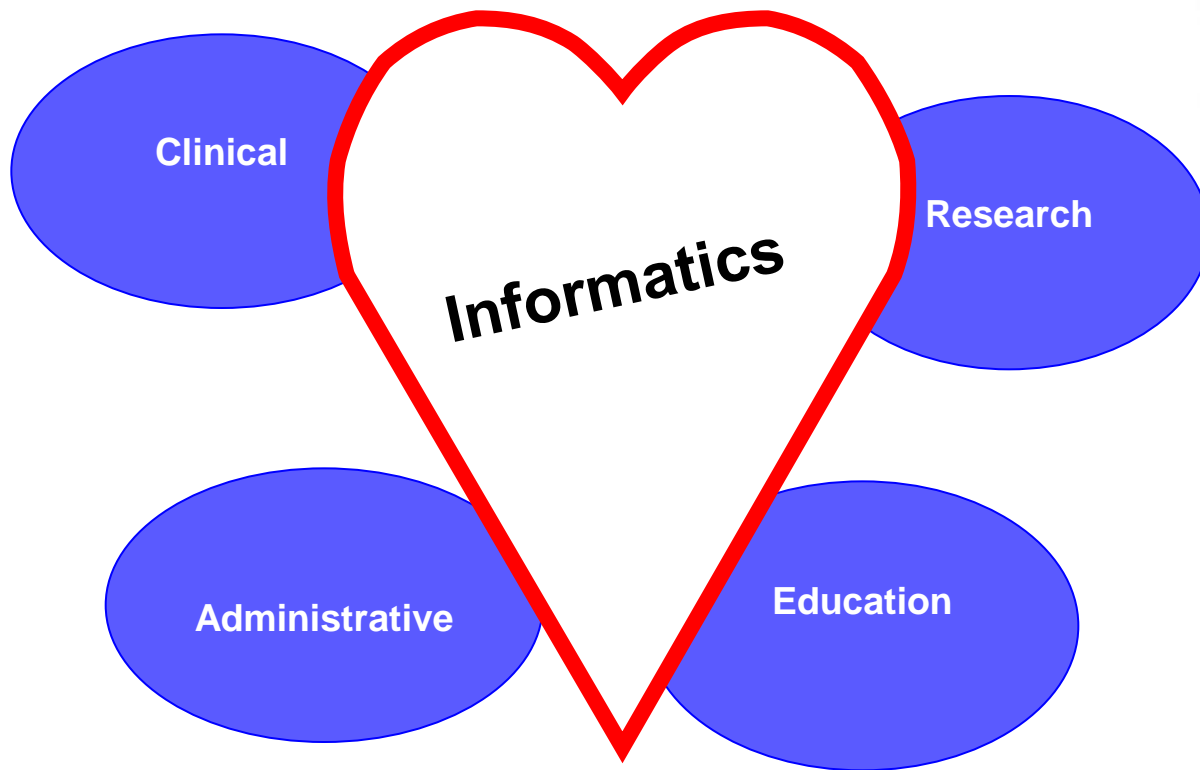
President:	Sharon Forbrigger
President Elect:	Mary Eileen MacPhail
Past President:	Diane MacLean
CNIA Representative:	Diane MacLean
Secretary:	Mary Eileen MacPhail
Treasurer:	Sylvia Wist
Education/Research:	Brenda MacDonald
Public Relations:	Anne Marsh



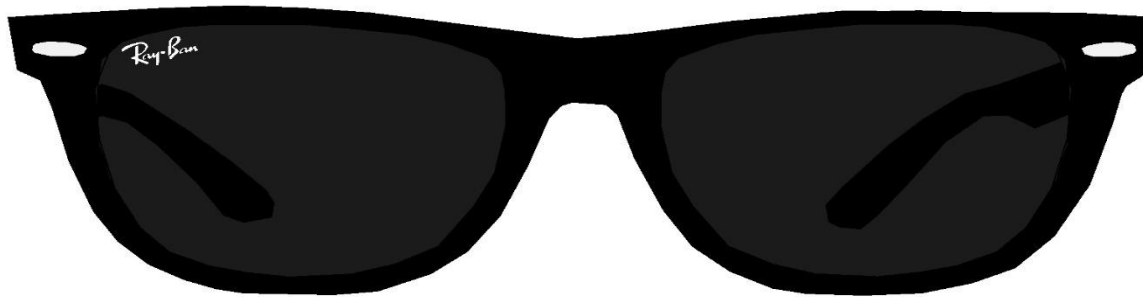
NSNIG's Top 10 List

10. Don't get discouraged
9. Team work is Essential
8. You don't have to be an expert
7. You can't fire volunteers
6. Don't be afraid to ask questions
- 5 Foster Life Long Learning
4. Participate, help shape the future
3. Remember there is strength in numbers
2. Keep meeting
1. Focus on Nursing Informatics as the Heart of Nursing





The Future



The future is so bright we will all need sunglasses!!

R. Simpson



