Supporting Evidence Based Nursing Practice Using Informatics Resources & Tools

Sigma Theta Tau International
42nd Biennial Convention
Indianapolis, IN  USA
November 2013
Presenters

University of WI – Milwaukee College of Nursing & International Council of Nurses eHealth Team
- Amy Coenen PhD, RN
- Kay Jansen, DNP, RN, PMH/CNS, CNE

Children’s National Health System
- Kathy Ann Sheehy, APRN, PCNS-BC
Overview

• ICN and ICNP overview
• Why we need ICNP Catalogues
• What are ICNP Catalogues?
• Examples from ICNP Catalogues
International Council of Nurses

• A federation of 135 national nurses associations

• Represents more than 13 million nurses

• Goals:
  – bring nursing together worldwide
  – advance the nursing profession
  – influence health policy globally

• http://www.icn.ch/
ICN eHealth Programme

- **ICN Telenursing Network** which aims to involve and support nurses in the development and use of telehealth technologies;

- **Connecting Nurses** initiative which provides an online forum for nurses worldwide to share ideas, advice and innovations; and

- **International Classification for Nursing Practice (ICNP®)**, which provides an international standard to facilitate the description and comparison of nursing practice locally, regionally, nationally and internationally.

ICNP

- A standardised terminology used to represent nursing diagnoses, interventions and outcomes

- Available in 14 languages

- A formal infrastructure that facilitates cross-mapping and allows output in multiple formats

- http://www.icn.ch/pillarsprograms/international-classification-for-nursing-practice-icnpr/
ICNP Timeline

- 1989: ICN resolution for ICNP
- 1996: Alpha version
- 1999: Beta version
- 2001: Beta 2 version
- 2005: Version 1.0
- 2008: Version 1.1
- 2009: Version 2
- 2011: 2011 release
- 2013: 2013 release
ICNP

• Primitive (or elemental) concepts
  – Examples = pain, acute, teaching, medication

• Pre-coordinated concepts (DC & IC)
  – Examples = acute pain, teaching about medication

• Formally modeled in OWL and use of auto-reasoner and Protégé annotations
  – Acute pain is a type of pain (which is a type of sensation) with an acute duration (annotation = DC)
Today’s health care environment

Terminologies & Domains (e.g. Nursing)
- Integrated
- Interdisciplinary
- International
ICNP Partnerships

- National Nurse Associations (ICN members)
- Nursing Specialty Organizations
- Health Ministries/Governments
- Health Information System Software Vendor
- ICNP Research & Development Centres
- Researchers & Translators
- Terminology and Standards Developers
  - Harmonisation efforts include:
    - A related classification in the WHO Family of International Classifications
    - Harmonisation agreement in place with IHTSDO (SNOMED-CT)
    - Collaborative agreement nursing terminologies (CCC)
German Speaking ICNP Group
ICN - Advancing nursing and health worldwide

www.icn.ch

ICNP® Programme
ICNP is used to Represent

- Nursing Diagnoses
- Nursing Interventions
- Nursing Outcomes
ICNP is VERY LARGE

• Represents all of nursing practice domain, across specialties and settings

• ICNP 2013 Release includes \textbf{3894} unique concepts
  – 783 Diagnoses and Outcomes
  – 809 Interventions
Nursing Informatics Tools and Resources

• Nurses need health information systems that support their practice

• Nurses need tools and resources to facilitate use of health information systems and the electronic health record.
  – ICNP Catalogues are one example of a resource for nurses
Thank You