

Nursing Data Dialogue: Canadian Perspective

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To advance
the quality of nursing
in the **interest of the public.**

Chronology of CNA Activities

- 1992 - National Nursing Minimum Data Set conference
- 1997 - national consensus on five nursing components of health information (data elements): *nursing resource intensity* and *nurse identifier* as well as the clinical nursing care data elements: *client status, nursing intervention, and client outcome* .
- 1998 - CNA position Statement *“there is a need for consistent data collection using standardized languages to aggregate and compare data”*
- 2000, CNA discussion paper, supporting ICNP®, in principle, as the foundational classification system for clinical nursing data in Canada (CNA, 2000) .
- 2001 consultation indicated strong support from CNA member jurisdictions for investigating how ICNP® might be adapted for use in Canada (CNA, April, 2001).
- CNA Position Statement: Collecting Data to Reflect the Impact of Nursing Practice (CNA, November 2001)
- 2002 - Making Nursing Evident: Moving the Agenda Forward Strategy
- 2003 - Implementing the Strategy

Rationale:

- Essential linkage among access to nursing information, client outcomes and patient safety.



Fundamental Principles

- **Health information must be patient/client centred and multidisciplinary.**
- **Nursing data must be integrated with into national health information.**

Nursing Minimum Data Set Conference (1992)

Five Nursing Components of Health Information (data elements):

- Client status
- Nursing interventions
- Client outcome
- Nursing intensity
- Primary nurse identifier

Nursing Minimum Data Set Conference (1992)
Consensus Confirmed 1997

Standardization Options for Data within the Nursing Components of Health Information (Data Elements)

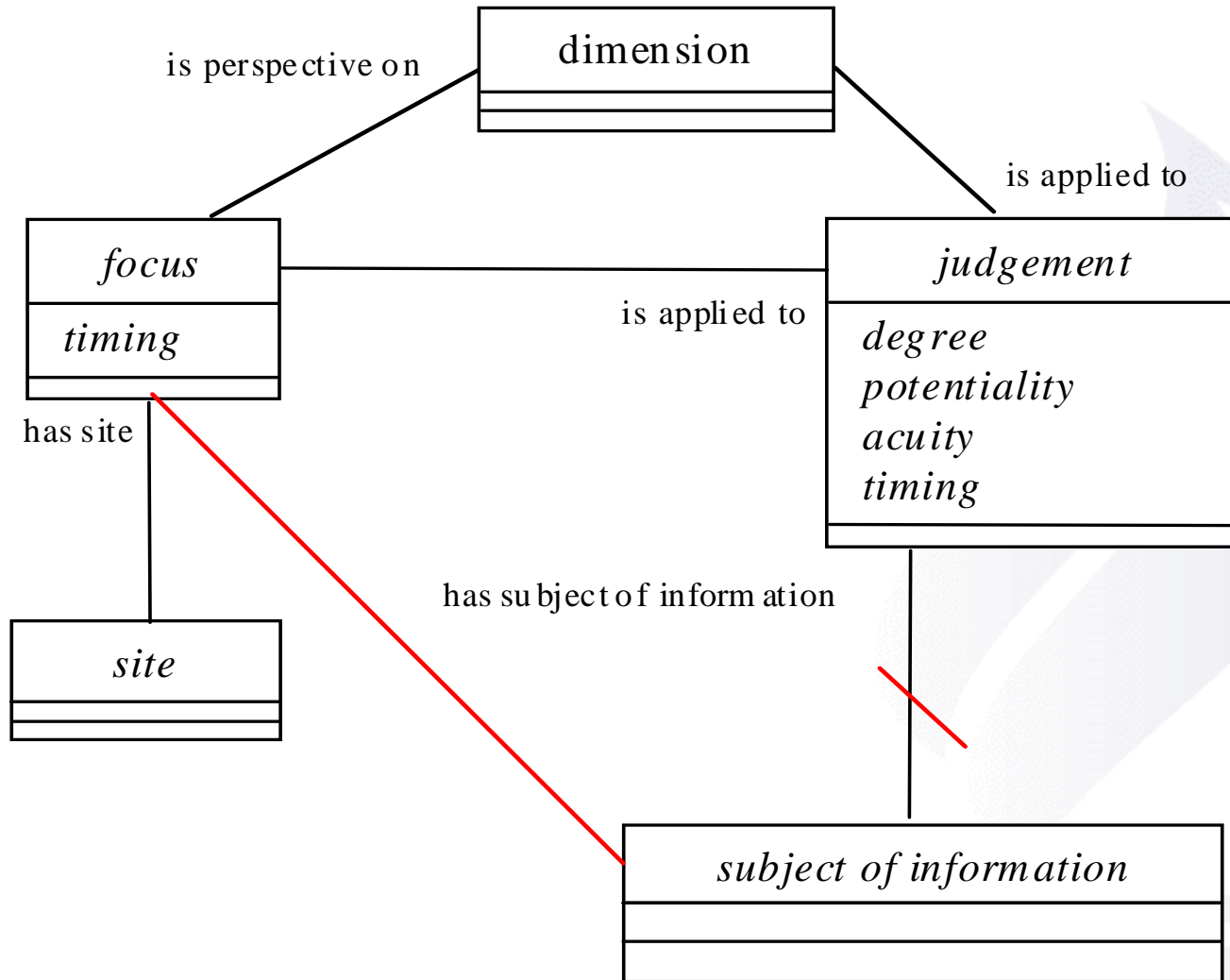
- **Client status** - Reference Terminology Model (ISO 18104) and ICNP®
- **Nursing interventions** - Reference Terminology Model (ISO 18104) and ICNP®
- **Client outcome** - Reference Terminology Model (ISO 18104) and Ontario Health Outcomes for Better Care (formerly The Nursing and Health Outcomes Project)
- **Nursing intensity** - MIS Guidelines (surrogate)
- **Primary nurse identifier** - Provider Registry (WHIC/Infoway)

ISO 18104 Reference Terminology Model For Nursing

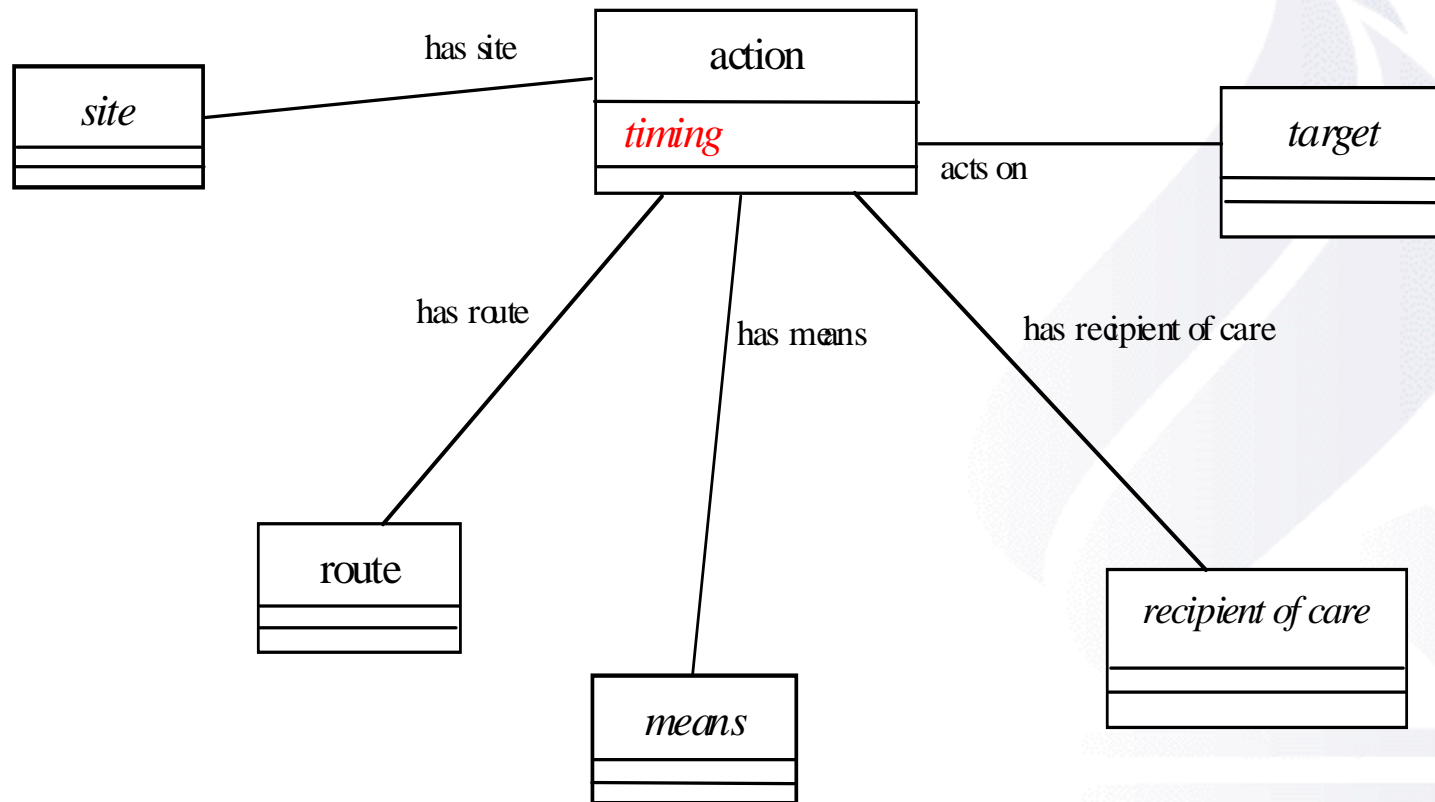
The purpose of this International Standard is to:

- **establish a nursing reference terminology model consistent with the goals and objectives of other specific health terminology models in order to provide a more unified reference health model.**

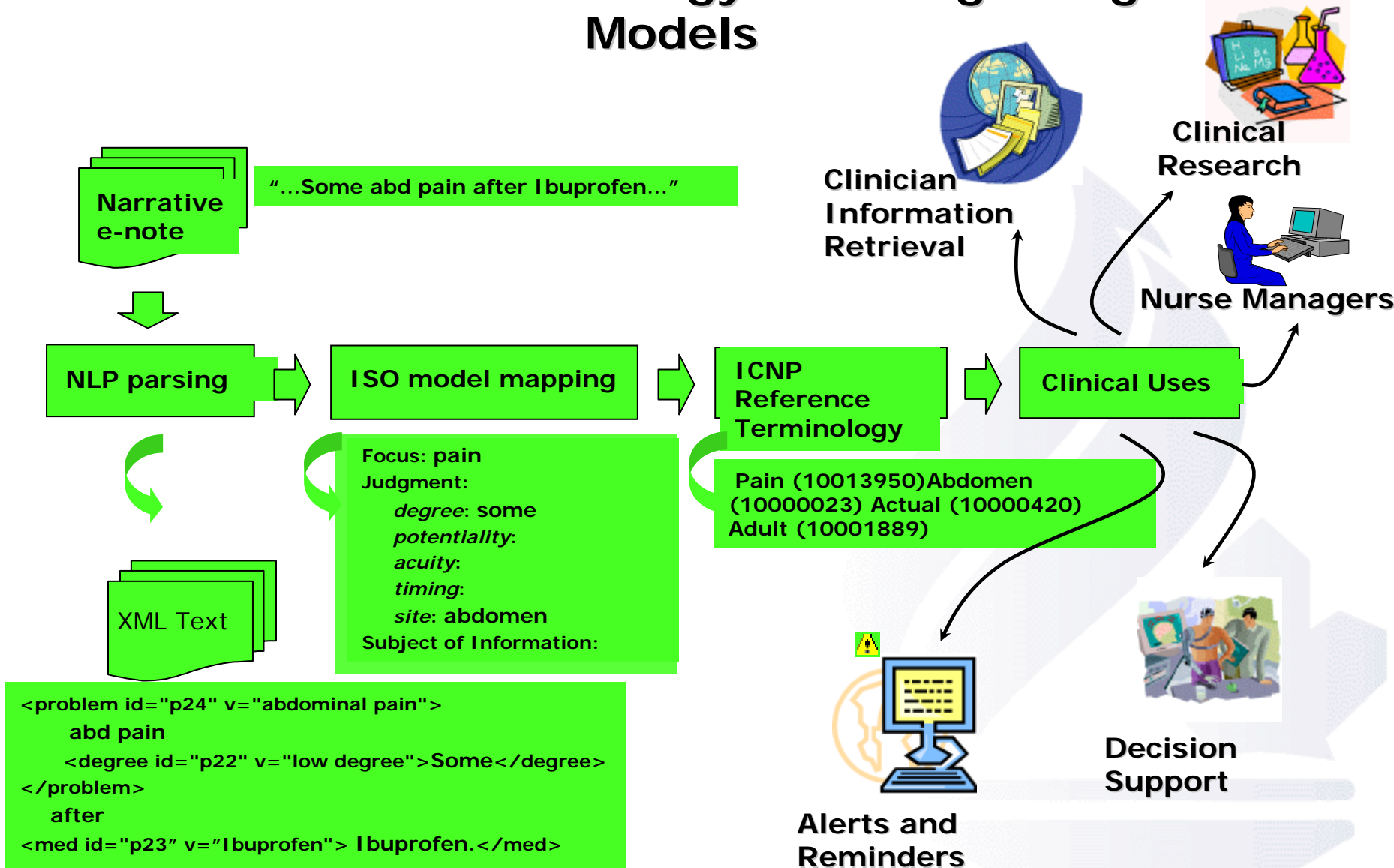
Reference Terminology Model for Nursing Diagnoses



Reference Terminology Model for Nursing Actions



Architecture for NLP Processing and Standardized Terminology Encoding Using ISO Models



The Way Forward Must:

- **Ensure the safety of patient care in Canada by including data about nursing and nurses in all Canadian Health Infostructure.**
- **Include nursing data elements in all integrated health information architectures and interlocking health terminology models in Canada,**
- **Ensure nursing input to design, standards development and pilot studies for the emerging national health infostructure**