



Clinical Care Classification CCC System

Nationwide Health

Information Technology

Standard For Nursing

A standardized, coded, patient care terminology, the Clinical Care Classification (CCC) System identifies the discrete data elements of nursing practice.



***Essence of Care –
evidence-based practice***

STANDARDIZED PATIENT CARE TERMINOLOGY

CCC provides a standardized terminology of concepts (terms) for the electronic documentation of patient care entered by nurses and allied health professionals in all healthcare settings enabling on-going analysis and generation of **evidence-based care guidelines**.

STANDARDIZED FRAMEWORK AND CODING STRUCTURE

The system consists of two interrelated terminologies:

- CCC of Nursing Diagnoses & Outcomes
- CCC of Nursing Interventions & Actions

These two terminologies are organized into a single system categorized by 21 Care Component Classes representing the functional, physiological, psychological, and health behavioral patterns of care. CCC links the diagnoses, interventions, and outcomes to each other and enables them to be mapped to other health-related terminologies / classifications.

ESSENCE OF CARE

CCC provides a unique framework, coding structure, and concepts for identifying the “**essence of nursing care**”, which refers to the **treatment of the patient’s presenting problem; that is, the identification of the nursing diagnosis based on the evaluation of the assessed signs and symptoms, followed by the selection of nursing interventions and actions needed to achieve the outcome of the problem as evidenced by the treatment process.**

CCC has been accepted by the US Department of Health and Human Services as the first nursing standard within the Healthcare Information Technology Standards Panel (HITSP) Interoperability Specification for Electronic Health Records.



NURSING

CARE COMPONENTS assessment

ACTUAL OUTCOME
evaluation

ASSESS
collects client

DIAGNOSIS
analyses assessment data

OUTCOME IDENTIFICATION
identifies expected outcomes

PLAN
develops plans of care and prescribes interventions

IMPLEMENTATION
implements intervention

EVALUATION
evaluates client's attainment

TYPE ACTION implementation

TRANSLATIONS

CCC terminologies are translated into Dutch, Portuguese, Spanish, Finnish, German, Slovenia, Korean, and currently being translated into other languages such as Turkish.



NURSING PROCESS

CARE COMPONENTS
assessment

NURSING DIAGNOSIS
diagnosis

ACTUAL OUTCOME
evaluation

EXPECTED OUTCOME
outcome identification

ASSESSMENT

collects client health data

DIAGNOSIS

analyses assessment data to determine diagnosis

OUTCOME IDENTIFICATION

identifies expected outcomes of client for nursing diagnosis

PLANNING

developes plans of care and prescribes interventions to attain expected outcomes

IMPLEMENTATION

implements intervention type actions in plans of care

EVALUATION

evaluates client's attainment of outcomes

TYPE ACTION
implementation

NURSING INTERVENTION
planning

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CCC APPLICATIONS

Supports the key nursing domains:

- Nursing Practice
- Nursing Administration
- Nursing Education
- Nursing Research

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PROCESS

NURSING DIAGNOSIS diagnosis

ASSESSMENT

Collect health data

ANALYSIS

Use data to determine diagnosis

IDENTIFICATION

Identify type of client for nursing diagnosis

PLANNING

Plan interventions to attain expected outcomes

IMPLEMENTATION

Perform type actions in plans of care

EVALUATION

Measure attainment of outcomes

EXPECTED OUTCOME
outcome identification

NURSING INTERVENTION planning

CCC APPLICATIONS

Supports the key nursing domains:

- Nursing Practice
- Nursing Administration
- Nursing Education
- Nursing Research

CCC SUPPORTS NURSING PROCESS MODEL WITH:

- 182 CCC of Nursing Diagnoses coded concepts
- 792 CCC of Nursing Intervention Actions coded concepts
 - 4 Type Actions: Assess/Monitor, Direct Care/ Perform, Teach/Instruct, Manage/Refer
- 546 Nursing Outcomes coded concepts
 - 3 Expected/Actual Outcomes: Improve(d), Stabilize(d), Deteriorate(d)

COMPLIANCE WITH STANDARDS

CCC terminologies are 'recognized' by the American Nurses Association as appropriate for representing nursing practice in computer-based clinical information and Electronic Health Record (EHR) Systems. Moreover the CCC complies with the format standards of:

- ICD-10 coding structure for information exchange
- HL7 interoperability for electronic transmission
- ANSI-HITSP interoperability specification for EHR
- ISO-18104 criteria for the Integration of a *Reference Terminology Model for Nursing Standard*

INTEGRATED INTO:

- SNOMED CT (Systematized Nomenclature of Medicine-Clinical Terms)
- UMLS (Unified Medical Language System of the National Library of Medicine)
- CINAHL (Cumulative Index to Nursing and Allied Health Literature)
- LOINC (Logical Observation Identifier Names and Coding)
- ABC Codes (Advanced Billing Concepts)
- ICNP (International Classification of Nursing Practice)

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PROVEN

Over 15 studies have been conducted successfully by researchers on CCC in a variety of clinical settings including acute care, critical care, psychiatric care, ambulatory care, and community health care.

CCC combined with EHR technology facilitates collaboration and data sharing within and across health care settings – essential capabilities for evaluating patient outcomes and enhancing communication between clinicians.

ABOUT SABACARE

Founded by Dr. Virginia K. Saba, Sabacare maintains and promotes the Clinical Care Classification (CCC) System - two interrelated standardized coded terminologies that were developed in response to the specific needs of nursing professionals and other allied healthcare providers, and used for electronic documentation and analysis of nursing and patient care data.

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Clinical Care Classification (CCC) System Manual: A Guide to Nursing Documentation.

New York: Springer Co. can be ordered on-line by visiting: www.springerpub.com

