



Advancing Excellence

500 Lake Cook Road, Suite 355  
Deerfield, IL 60015  
800-323-4040  
847-832-7700  
[www.cap.org/DIHIT](http://www.cap.org/DIHIT)

# CAP Diagnostic Work Station

SNOMED Terminology Solutions™

**Expert Advice.**

**Expert Implementation.**

**Expert Education.**

SNOMED Terminology Solutions™ (STS), a division of the College of American Pathologists (CAP), is the leading organization in pursuing semantic interoperability for clinically accurate electronic health records (EHRs) by offering customized, best-practice terminology implementation and education services.

The CAP is the original creator of SNOMED Clinical Terms® (SNOMED CT®)—a globally recognized controlled medical vocabulary—and has fostered its development for more than 40 years. CAP STS continues to develop and maintain SNOMED CT on behalf of the International Health Terminology Standards Development Organisation (IHTSDO®).

Through its Diagnostic Intelligence and Health Information Technology (DIHIT) member committee and staff department, CAP STS is leading the way for health information technology (HIT) issues and practices such as standardized electronic reporting, including the CAP electronic Cancer Checklists (CAP eCC).

## How CAP STS Can Help You

CAP STS offers a comprehensive suite of consulting and education services to help clients evaluate options for deploying and implementing health information standards. The CAP STS team—clinical informatics and technical consultants, clinicians, and educators—has expertise that covers many health care specialties, including radiology, pharmacy, pathology, cardiology, pediatrics, oncology, primary care, and nursing.

CAP STS is also actively involved with health information technology and standards development organizations such as HL7, CCHIT, HITSP, IHE, and the IHTSDO.

## The CAP Diagnostic Work Station



The CAP Diagnostic Work Station (DWS) is a “prototype” conceptual pathology work station of the future. The DWS offers pathologists a platform for a robust, collaborative exchange of clinical information such as the patient’s electronic health record (EHR), real-time consultation, digital imaging, structured pathology reporting, clinical decision support, and online resources and reference material.

The three-monitor work station, which integrates and displays various software systems and programs, pushes forward the pathologists’ future role as chief diagnostician by allowing access to a wealth of patient information to determine test interpretation and diagnosis.

The envisioned final product will be a vendor-neutral heterogeneous environment that allows for customization by the pathology team. Currently, seven vendors provide EHR and digital imaging information displayed on the work station, along with the CAP electronic Cancer Checklists (CAP eCC) and the CAP Web site.

The College of American Pathologists expresses a sincere appreciation to the following contributing vendors:

- Aperio
- Clariant
- Quest
- VisualShare
- Biomagene
- Olympus
- SclImage

## CAP Diagnostic Work Station Goals

### Collaboration

- Advance the pathologist’s role as chief diagnostician
- Support and aid the pathologist in the diagnostic process
- Develop a platform for an exchange of information so the pathologist has access to all of the patient’s clinical information

### Clinical Information Access

- To determine
  - Appropriate testing
  - Test interpretation
  - Diagnosis
  - Therapeutic options
  - And follow-up



Advancing Excellence

Due to our industry experience and expertise working with terminologies such as SNOMED CT, we are uniquely positioned to offer standards implementation guidance as these requirements are being defined. For example, in August 2009, the HIT Standards Committee, the federal advisory panel on HIT standards, endorsed recommendations on how providers may electronically record a physician's observations to qualify for federal bonuses—use of SNOMED CT by 2015. In 2010, providers must use SNOMED CT or ICD-9 to qualify; in 2013, they must use SNOMED CT or ICD-10.

### CAP STS

- Creator of SNOMED CT and current provider of SNOMED CT development and maintenance for IHTSDO
- Industry experience in health information technology and standards development
- Through its DIHIT department, leader for developing HIT standards and tools that support the pathologist's role as chief diagnostician

### Office Location

Deerfield, IL; working with clients worldwide

### Consulting and Mapping Services

- Terminology guidance and strategies
- Legacy data and terminology implementation services
- Active partner in discussions around clinical terminology requirements for 2010 through participation in health information technology and standards development organizations

### Education

- Customized education
- Classroom sessions
- Self-directed learning courses
- Web teleconferences

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# CAP Diagnostic Work Station

## CAP Diagnostic Work Station Features

- Heterogeneous vendor environment on a common platform
- Bi-directional patient information exchange
- Work flow information
- Consolidated electronic health records (EHR)
- Digital slide imaging, charts, and graphs for pathology, and other diagnostic services
- Work with existing LIS and AP systems
- Real-time visual consultation and Telepathology
- Analytical and genomic presentation
- Reference information and databases
- Ability to provide online teaching files and contribute to a national research center database
- Structured reporting (CAP eCC)
- Other supporting information and applications

## About DIHIT

The Diagnostic Intelligence and Health Information Technology (DIHIT), a department within CAP STS, is committed to advancing health IT standards, practices, and tools, such as the CAP Diagnostic Work Station initiative; personalized health care; and standardized electronic reporting, including the CAP electronic Cancer Checklists (CAP eCC).

The goal of DIHIT is to enable CAP's vision by improving the way health information technology supports the pathologist's role as chief diagnostician and clinical care advisor, particularly within an emerging environment of personalized health care. DIHIT helps health IT advancement through collaborative work with leading systems designers and providers, setting and developing standards, and assisting with public policy definition and adoption.

## Contact Us

For more information about the CAP Diagnostic Work Station of the future, call 847-832-7700 or visit [www.cap.org/DIHIT](http://www.cap.org/DIHIT).