

Automatic ICD-10 as you speak

**narrative reports, office visits,
doctor and nurse rounds, all mobile.**

See PenRad's Applicadia Medical EcoSystem

Witness the return of physician productivity and patient interaction, with immediate update in the EMR. Stop the bleed, retain physicians, increase revenue. Remove coding expense, corrections and rejections.



Enhance your 20-year old EMR software platform technology with Applicadia®. Forget the gamut of tabs, screens, clicks, drop downs, logins and typing. Remove anxiety, loss of productivity, and repetitive EMR trips.

Our EcoSystem, which uses HL7® FHIR® Standards, enables interoperability that offers existing EMRs access to the new era of usability, capture, retrieval, navigation, and medical knowledge bases.

See mobile clinical solutions with CNLP and speech recognition generate documents that are automatically organized and coded with ICD-10-CM/PCS®, LOINC®, RxNorm®, CPT® and SNOMED-CT® expressions.

Applicadia automation guides refinement of clinical details as applicable for improved clinical documentation, reimbursement and compliance, E/M charge value, and more.

Interactive clinical rule-topology datasets for: Clinical Decision Support (CDS) • Coded Clinical Analytics Evidence Based Medicine • Appropriate Use Criteria (AUC) • Clinithink® CNLP • Nuance's SpeechAnywhere®

For the developer and IT staff: Design custom multi-platform GUIs via drag-n-drop design tools, data-set binding relationships, rule generation, warnings and prompts. Creates new vertical opportunities in healthcare.

See PenRad's renowned solutions for automation and revenue enhancement for breast imaging, lung screening, and vascular. For facilities with greater expectations than the EMR/RIS offerings.

See **PenLung®** comply with complexities of CMS LDCT lung patient screening and management protocols.
See **PenRad®**, **PenTrac®**, **PenVasc®** create narrative reports and tracking for breast imaging and vascular lab.
See **Visualize®** create 3D rendering for advanced arterial assessment with 2D ultrasound.
See **Compass®** optimize breast MRI interpretation for contrast uptake analysis.
See **PenTask®**, a dashboard reminder scheduling system to facilitate staff status compliance of recurring tasks.
See **PenDQC®** maintain QA/QC data for modalities, viewstations, service calls, CE credits, aprons and more.
See **PenFetch®** automatically prefetch and transfer comparison images during off peak time for all modalities.

PenRad®, optimizing complex workflows, audits, statistics, coding and patient care management.

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Applicadia medical data sets incorporated.

SNOMED CT - The Systematized Nomenclature of Medicine - Clinical Terms

SNOMED CT provides a standardized way to represent clinical phrases captured by the clinician (US and EU versions).

Billing and Eligibility

ICD-10-CM - International Classification of Diseases Clinical Modifications (10th Revision)

Clinical Modification ICD-10-CM was created for medical coding disease codes (approximately 68,000 codes). GEM maps to ICD-9 dataset for historic coding included.

LMRP - (LCD) Local Coverage Determinations

Formerly designated as Local Medical Review Policies (LMRP), LCD is based on what a local intermediary can cover.

NCD - National Coverage Decisions

Its namely the basis on what can be covered by Medicare and Medicaid anywhere in the United States.

Procedures, Tests and Assessments

CPT - Current Procedural Terminology (HCPCS)

CPT codes are used for billing and ordering and is also known as Level 1 of the Healthcare Common Procedure Coding System (HCPCS). Currently only the UMLS has created a hierarchy for the CPT code set.

ICD-10-PCS - International Classification of Diseases Procedure Classification System (10th Revision)

Procedure Classification System ICD-10-PCS for inpatient and hospital settings (approximately 87,000 codes).

LOINC - Logical Observation Identifier Names and Codes terminology

LOINC provides formal names and standardized codes for laboratory, assessments and other clinical observations.

Medications, Vaccinations and Orderables

RXNORM - RxNorm

RxNorm has standard names for clinical drugs and dose forms administered to patients. Provides generic and branded names as well as active ingredients from various data sources.

NDF-RT National Drug File - Reference Terminology

NDF-RT is a hierarchical drug classification dataset detailing the interactions between one another including ingredients.

ATC - Anatomical Therapeutic Chemical classification system

ATC dataset of active drugs and the ingredients that act on organ or system and Defined Daily Doses (DDD).

CVX - Vaccines Administered

It contains tables of active and inactive vaccines, indicates current availability and last update.

MTHSPL - FDA Structured Product Labels

Gives contextual information of individual drugs down to usage statistics along with images.

Indexing and Crossmaps

UMLS - Unified Medical Language System

UMLS is a compilation of data from various sources arranged into a unified schema.

MEDLINE PLUS - Incorporated with MeSH

Medline Plus is a dataset to access informational documents of a diseases, conditions, and systems of the anatomy.

MeSH - Medical Subject Headings

MeSH is a thesaurus used for indexing and searching medical and health related information and documents.

NCI - National Cancer Institute

NCI is a thesaurus containing vocabulary for cancer comprised of a number of subsets of information related to cancer.

LEX - UMLS Lexicon Specialist

A catalog of every word, title, abbreviation, and acronym used within UMLS (Unified Medical Language System).

Provides linguistic processing of individual entries within UMLS. Each LEX entry provides properties of the word or title.

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