



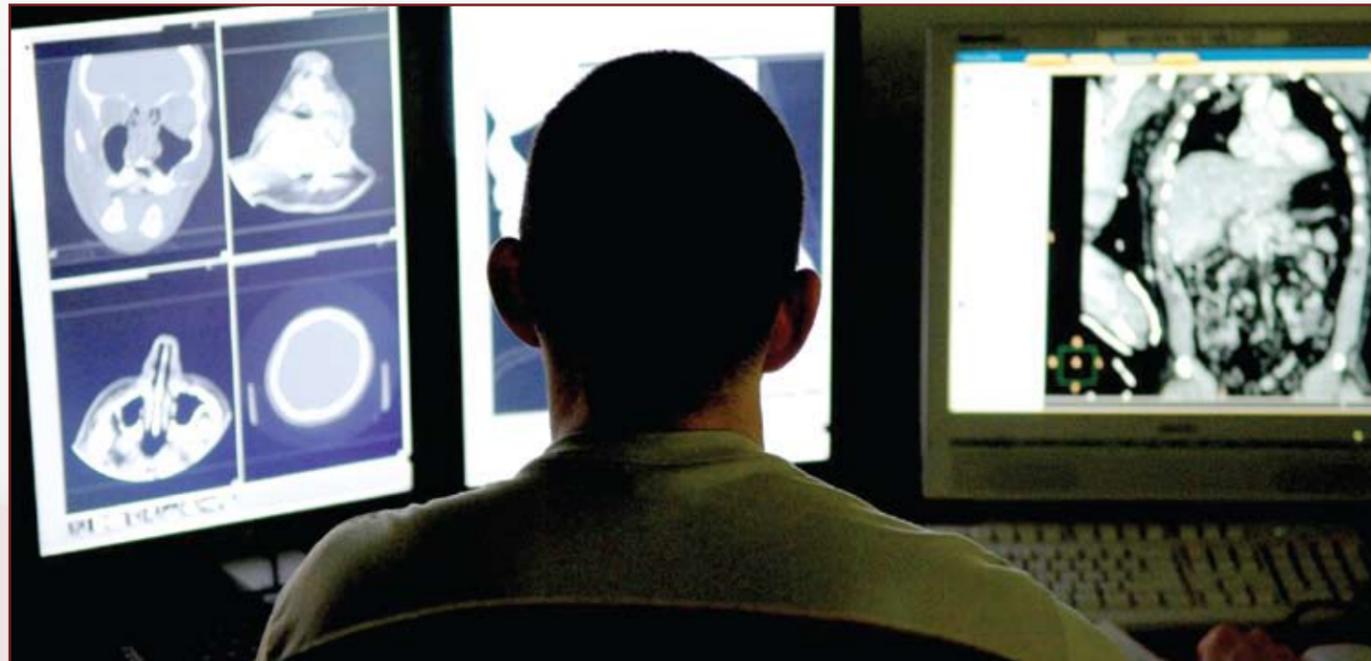
Defense Health Services Systems

DHSS



DEFENSE HEALTH SERVICES SYSTEMS

The Defense Health Services Systems (DHSS) is a new organization within the Military Health System (MHS) Office of the Chief Information Officer. DHSS incorporates products and functionality from the former Defense Medical Logistics Standard Support (DMLSS), Executive Information Decision Support, and Resources Information Technology Program Offices. This merger capitalizes on best practices resulting in reduced time to market, economies of scale, and improved product quality. DHSS is building or maintaining more than 30 products used throughout the MHS in three major areas: clinical support, medical logistics, and resources.



DHSS CLINICAL SUPPORT DIVISION

The DHSS Clinical Support Division provides information technology solutions that help optimize clinical processes throughout the MHS. The DHSS Clinical Support Division is a cornerstone capability for delivering accessible, quality, and cost-effective healthcare to all MHS beneficiaries. Its suite of solutions includes clinical data analysis, medical scheduling and appointing, provider privileging and credentialing, patient safety, and electronic healthcare reporting, as well as nutrition management solutions and special needs management systems. The DHSS Clinical Support Division is aligned with the portfolio of the Deputy Assistant Secretary of Defense (DASD), Clinical & Program Policy.

The Centralized Credentials Quality Assurance System (CCQAS) is a Web-based, worldwide credentials, privilege management, risk management, and adverse actions application supporting medical personnel readiness. CCQAS allows users to electronically manage provider credentials and privileging, malpractice and disability claims, and adverse actions investigations of physicians, dentists, nurses, pharmacists, and other medical support personnel who work in military hospitals, clinics, and in-theater.

Clinical Data Mart (CDM) is the clinical reporting tool for AHLTA, the military's electronic health record. CDM allows analysts and clinicians to measure, analyze, and manage performance of direct patient care, wellness, disease prevention, and disease management. It is used for securely reporting actionable clinical data for the MHS and provides access to clinical patient data from AHLTA's Clinical Data Repository, the global storehouse of direct care health records for the Department of Defense (DoD).

Enterprise Wide Scheduling & Registration (EWS-R) provides inpatient and outpatient appointing, scheduling, and beneficiary registration functions across the MHS. The Graphical User Interfaces modernize and enhance Composite Health Care System patient registration, admissions, appointing, clinic processing, and scheduling management capabilities that include a multiple sponsorship view, enhanced Defense Enrollment Eligibility Reporting System registration capabilities and calendar-based scheduling for dental appointments.

Nutrition Management Information System (NMIS) is a fully integrated nutrition management system supporting military readiness and the warfighter worldwide. NMIS is a clinical and production information system enabling MHS dietetics personnel to provide preventive and therapeutic medical nutrition therapy and medical food management to service members and their beneficiaries.

Patient Safety Reporting (PSR) is a project to deliver a Tri-Service management application that automates patient safety event reporting and helps identify areas for patient safety improvement in the MHS. PSR will enable the MHS to capture, track, and trend healthcare patient safety events to aggregate de-identified information for reporting and to standardize reporting across the MHS. PSR will provide a systematic methodology to reduce the frequency and severity of medical events by incorporating comprehensive analysis tools to identify MHS wide safety improvement strategies.

Special Needs Program Management Information System (SNPMIS) provides access to a comprehensive program of therapy, medical support, and social services for young MHS beneficiaries with special needs. SNPMIS is the MHS automated information system designed



to ensure the DoD meets the unique information requirements associated with implementation of the Individuals with Disabilities Education Act (IDEA). IDEA requires the provision of early intervention services for children from birth through age two who are developmentally delayed. It also requires the provision of medically related educational services for developmentally delayed individuals from age 3 to 21.

TRICARE Online (TOL) provides beneficiaries, providers, medical support personnel, external support contractors, and managers with on-line information on healthcare services, benefits, and health information. TOL users schedule appointments, order prescription refills, and view their personal health records. Users can also view TRICARE benefit and facility information, the Composite Health Care System, non-availability statements, and the Beneficiary Web enrollment for TRICARE Benefits.



DHSS MEDICAL LOGISTICS DIVISION

A premier service supported by the DHSS Medical Logistics Division is the DMLSS automated information system which delivers a Tri-Service suite of modules standardizing medical logistics across the MHS. DMLSS improves the effectiveness and efficiency of MHS healthcare delivery by reducing the time providers and healthcare professionals spend on logistics. DMLSS delivers stock control, prime vendor operations, research and price comparison, property accounting, biomedical maintenance, capital equipment management, inventory management, and facility management. These products are tailored to support medical logistics operations and to accommodate unique areas such as requirements for quality assurance and the Joint Commission on the Accreditation of Healthcare Organizations.

Additional DHSS Medical Logistics Division systems and applications provide access to integrated joint service medical assets along with reporting serviceable medical supplies and equipment available for in-kind exchange when patient movement items must accompany a patient to his or her final destination. Industrial hygiene and hearing conservation data is captured through DHSS tools along with the medical surveillance application that screens MHS encounter data for rapid and unusual increases in the occurrence of certain syndromes. The DHSS Medical Logistics Division is aligned with the portfolio of the DASD, Force Health Protection & Readiness.

Common User Database (CUD) is an automated application incorporating the Defense Medical Standardization Board's clinical advisory board selection process into a coordinated and standardized business process. CUD is designed to map the clinical workflow processes associated with the selection of standardized medical surgical items, medical equipment, and pharmaceuticals for the overall treatment of injuries in a wartime or contingency environment. CUD's database supports standardization of material. Standardized data exchange with the medical clinical/logistics community enables optimal interoperability for medical readiness.

Defense Blood Standard System (DBSS) is a Food & Drug Administration regulated Class II Medical Device designed to support the Armed Services Blood Program, the Surgeons General, and the MHS readiness goals. DBSS integrates information technology into the daily business practices of the military blood community and automates the exchange of blood products with our



nation's allies and civilian agencies. DBSS's automated capabilities include blood donor management, blood product management during creation, testing, inventory, shipment, patient/transfusion service management, a full Human Immunodeficiency Virus and Human T-Lymphotropic Virus lookback system and system administration. DBSS operates in Military Treatment Facilities (MTFs), Armed Services Whole Blood Processing Laboratories, blood product depots, blood donor centers, mobile blood donor facilities, and is being deployed to Service Theater sites.



Defense Medical Logistics Standard Support (DMLSS) is the DoD-standard medical logistics application delivering cost-effective, state-of-the-art healthcare to patients worldwide. The DMLSS automated information system enhances healthcare delivery in peacetime and promotes wartime readiness and sustainability. DMLSS delivers automated support of reengineered medical logistics business practices and offers a comprehensive range of materiel, equipment, and facilities management capabilities.



DMLSS Customer Assistance Module (DCAM) is a medical logistics ordering tool allowing users to view their supplier's catalog and generate electronic orders. The product, primarily focuses on the theater environment, automates the Class VIII supply process at the lower levels of care, and allows non-logisticians to electronically download catalog data, place orders, and obtain status information from their supply activity.

Defense Occupational and Environmental Health Readiness System-Hearing Conservation (DOEHRH-HC) provides noise exposure surveillance, diagnostic evaluation and management of auditory pathology, hearing loss and injury referrals, including auditory readiness and medical outcomes documentation.

Defense Occupational and Environmental Health Readiness System-Industrial Hygiene (DOEHRH-IH) provides the ability to capture workplace and environmental exposure information, support industrial hygiene decisions, directly view environmental laboratory results, and actively track air, water, and soil environmental hazards in garrison and theater operations.

ESSENCE Medical Surveillance is a Web-based syndromic surveillance application that screens the entire MHS worldwide for rapid or unusual increases in the occurrence of certain syndromes. In the event of a potential outbreak, officials are alerted immediately via email or any text-enabled device. ESSENCE provides secure patient-level detail and uses sophisticated statistical methods to calculate expected rates of infectious disease outbreaks. ESSENCE automatically searches for and alerts users to unusual increases in the occurrence of certain medical syndromes. ESSENCE uses Geographic Information System (GIS) mapping to display occurrences geographically.

Joint Medical Asset Repository (JMAR) delivers total visibility of DoD wide medical asset data. The Web-based application delivers access to integrated joint-service medical asset information for any user, any time, on any machine. DoD recognizes JMAR as the single integrated and authoritative source for joint medical logistics information provided to the Joint Total Asset Visibility system.

Patient Movement Items Tracking System (PMITS) manages the designated pool of medical equipment that is necessary to support a patient during the aeromedical evacuation process. The ability to have accurate records of Patient Movement Items (PMI) equipment status and location is a key enabler in assuring equipment is available for in-kind exchange or transport when PMI must accompany a patient to his or her final destination. This is accomplished by establishing a system that supports a timely recycle time of PMI equipment through accurate tracking processes coupled with worldwide asset visibility capabilities. PMITS is intended for use by the Army, Air Force, Navy, and Marine Corps for peacetime, contingency and wartime operations.

DHSS RESOURCES DIVISION

The DHSS Resources Division provides world-class enterprise information technology systems supporting the business of military medicine. Products managed by the DHSS Resources Division support critical business processes such as personnel readiness, manpower and personnel management, learning management, medical coding and collections, as well as solutions that determine the total cost of providing healthcare to the MHS's 9.2 million beneficiaries. Together, these systems comprise a powerful suite of resource management tools optimizing the delivery of healthcare to servicemen and women and their families.

The DHSS Resources Division also supports the centralized data store for the MHS through a powerful suite of decision-support tools. With active interfaces around the world, DHSS manages the receipt, processing, and storage of billions of healthcare records that characterize MHS operations and performance. The DHSS Resources Division is aligned with the portfolio of the DASD, Health Budget & Financial Policy.

Coding & Compliance Editor (CCE) improves coding accuracy for inpatient and outpatient services rendered and optimizes reimbursement through the use of expert coding and editing tools.

Defense Medical Human Resources System-internet (DMHRSi) integrates human resources data from a variety of sources allowing centralized access to manpower, personnel, labor cost assignment, education and training, and personnel readiness information for designated Active Duty, Guard and Reserve, Federal Civilians, contractors and volunteers. DMHRSi provides personnel asset visibility to MHS leadership. It identifies who their personnel are, where they are working, where they are authorized, what positions are filled and what positions are vacant, projected gains or losses, what training their staff has received, the hours charged to each work center and to particular tasks, and roll-up reporting capabilities.

Enterprise Wide Provider Database (EWPD) provides the MHS a means to electronically message standard personnel data from authoritative systems to need-to-know systems. This supports the MHS's need to standardize data across the MHS thus improving data consistency and quality and reducing duplicate data entry.

Expense Assignment System Version 4 (EAS IV) is a cost allocation tool delivering standardized reporting of workload, expense, and manpower data. EAS IV enhances healthcare resource management and supports decision making at all levels of the MHS.

Managed Care Forecasting Analysis System (MCFAS) is the official source of healthcare beneficiary population forecasts for MHS planning. MCFAS has two Web-based forecasting models: Enrollment Forecasting and Beneficiary Population Forecasting.

MHS MART (M2) is a powerful ad hoc query tool used for summary and detailed views of population, clinical, and financial data from all MHS regions. With M2, analysts can perform trend analysis, conduct patient and provider profiling studies, and identify opportunities for transferring healthcare from the private sector to MTFs.

MHS Data Repository (MDR) is the centralized data repository for the MHS providing executive information and decision support for secured electronic healthcare data from the enterprise down to individual recipients of care. MDR data resides on a secure computing environment where access is based on strict need-to-know mission essential requirements. The MDR captures and validates data from more than 260 DoD health data network systems worldwide and is the MHS's single point for data integration, data quality edits, online and near-line data storage and DoD healthcare data transfers.



MHS Insight is the MHS standardized dashboard of executive performance measures and actionable initiatives. MHS Insight clinic-level users create and display measures that have local management relevance and link to executive Balanced Scorecard measures. MHS Insight reports real-time, actionable data to help direct management's efforts and monitors key data to increase performance accountability.

MHS Learn is an enterprise training delivery and management system integrated with DMHRSi. MHS Learn has an expanding library of more than 1,800 medically related course offerings and actively partners with the Department of Veterans Affairs and Uniformed Services University of the Health Sciences to provide quality training as well as continuing education courses and credit to the staff and beneficiary populations.

Patient Encounter Processing and Reporting (PEPR) is a Web-based suite of applications used to analyze purchased care claims data generated by managed care support contractors. PEPR's suite includes the Purchased Care Utilization Reporting and Evaluation System, and the Purchased Care Detail Information System. PEPR data assists in the analysis and reporting of purchased care cost and workload, resource sharing opportunities, and potential dollars to be recaptured by MTFs.

Prospective Payment System (PPS) directs a performance-based budgeting system for the MHS providing incentives and financial rewards for efficient management. PPS allows the MHS to establish MTF budgets based on actual workload production for direct care such as hospital admissions, prescriptions filled, and clinic visits instead of historic resource levels. PPS is an automated system with two primary tools: Business Planning Tool (BPT) and Reconciliation Tool (RT). BPT links business planning with resources, execution and performance monitoring. RT is used monthly to reconcile actual and predicted MTF workload performance for comparison to prior years' performance.

Protected Health Information Management Tool (PHIMT) is a Web-based tracking tool that stores information about Protected Health Information (PHI) disclosures, authorizations, and restrictions. PHIMT is an automated system that mirrors Health Insurance Portability and Accountability Act regulations. It allows patients to request PHI about themselves and permits agencies to request PHI on a particular patient. PHIMT also records all PHI disclosures including access requests, suspensions, complaints, authorizations, and restrictions.

Third Party Outpatient Collection System (TPOCS) provides the collection, tracking, and reporting of data on the outpatient billing process. TPOCS creates more than 3.5 million clinic, laboratory, radiology and pharmacy claims per year. Revenue collected is sent directly from an insurance company to an MTF and is used to enhance healthcare. TPOCS maintains automated interfaces that improve data quality by reducing manual entry and providing automated data validation.

TRICARE Encounter Data (TED) records, collects, verifies and tracks billions of dollars annually in purchased care claims and encounter data for the MHS. TED is the global MHS industry leader in purchased care claims data records processing. Most TED records validate claim payments within 24 hours resulting in shorter billing cycles and reimbursements paid within 30 days, one of the fastest claims processing cycles in the healthcare industry.





5111 Leesburg Pike
Skyline 5, Suite 810
Falls Church, Virginia 22041
www.health.mil/dhss

