

Report Title: Appendix A 10 - 12 Report

Agency: Department of Behavioral Health and Developmental Services (DBHDS) Date: 10/8/2010

Agency Head Approval: Yes

Major Projects				
Clinical Apps/EMR				
Appropriation Act/Funding Status			Project in Planning - Not Funded	
This project involves the purchase of a comprehensive clinical information system for behavioral healthcare that manages the care data of thousands of patients in the facilities. In order to properly manage the care provided, clinical data in the form of thousands of transactions per facility per day needs to be collected, stored and analyzed using an electronic medical record. The system would be implemented at all sixteen facilities and Central Office and would help to eliminate the manual data processes still used in many clinical areas. An electronic medical record, supported by a suite of clinical applications will greatly reduce risk while greatly increasing operational efficiencies, cost savings and most important of all, patient satisfaction.				
Is this a proposed project or the continuation of an active project? (Proposed or Continuing)?				Proposed
Planned project start date:	4/1/2012	Planned project end date:	6/30/2016	
PPEA Involvement:				
Estimated Costs:	Total	General Fund	Nongeneral Fund	
Project Cost (estimate at completion):	\$13,093,207	\$13,093,207	\$0	
Estimated project expenditures first year of biennium:	\$0	\$0	\$0	
Estimated project expenditures second year of biennium:	\$5,002,013	\$0	\$5,002,013	
Funding Required:	Total	General	Nongeneral	Nongeneral Funding Source
Funding required for first year of biennium:	\$0	\$0	\$0	
Funding required for second year of biennium	\$5,002,013	\$0	\$5,002,013	Non-general - State

Service Area	Weight
720 DMHMR 43007 Inpatient Medical Services	Primary
720 DMHMR 42102 Inpatient Pharmacy Services	Secondary
720 DMHMR 43010 State Mental Retardation Training Center Services	Secondary
720 DMHMR 43014 State Mental Health Facility Services	Secondary
720 DMHMR 49800 Facility Administrative and Support Services	Secondary

Project Related Procurements

Electronic Medical Record COT

Procurement Description:	DMHMRSAS will issue a RFP for a vendor's off the shelf behavioral healthcare information system/electronic medical record. The procurement will cover Central Office and the sixteen facilities. Cost include infrastructure upgrades, additional hardware, vendor software and vendor training, IV&V and Contingency. Does not include ongoing maintenance.		
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Planned Delivery Date:	6/30/2010		
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Medication Management System: Pharmacy Systems Software Application

Appropriation Act/Funding Status

Active Project - Funded

This project includes the procurement of a pharmacy system software application that will be integrated with the existing billing and Admission Discharge Transfer (ADT) application used in facilities by the agency setting the stage for later integration with the proposed Electronic Medical Record (EMR) application.

This software will replace the existing Pharmacy System currently used by DMHMRSAS.

DMHMRSAS released a Request for Proposals on March 24, 2008 to solicit sealed proposals from qualified contractors to provide Automated Pharmacy System Application and Support Services.

Pharmacy operations and services in the Virginia Department of Mental Health, Mental Retardation and Substance Abuse Services (DMHMRSAS or "Department") consists of providing services to eight mental health facilities, (Institute for Mental Disease; IMD), five mental retardation training centers (Intermediate Care Facilities for the Mentally Retarded and or Developmentally Disabled; ICFMRDD), one Center for Rehabilitation (VCBR) as well as one child and adolescent facility. Pharmacy operations for these facilities provide a range of psychiatric and medical pharmacological services and support to inpatients, residential long-term care and or acute care services. The Hiram W. Davis Medical Center provides medical treatment to clients and residents at State facilities. The Department's Community Resources Pharmacy is a mail order pharmacy that provides services to outpatient clientele.

Starting in 2003, the Institute of Medicine's (IOM) Committee on Crossing the Quality Chasm - Adaptation to Mental Health and Addictive Disorders commissioned a series of papers on client safety research, harm reduction, and prevention strategies applied to persons with psychiatric and substance use disorders.

The IOM charge is to address the incidence, severity and costs of medication errors. Of importance is that special attention should be given to errors that arise at the interface between care settings and or, on the causes/risk factors of medication errors in the psychiatric care setting.

One of the most widely used definitions of medication errors, originating from the National Coordinating Council for Medication Error Reporting and Prevention (NCCMERP), is as follows: "A medication error is any preventable event that may cause or lead to inappropriate medication use or client harm while the medication is in the control of the health care professional, client, or consumer. Such events may be related to professional practice, health care products, procedures, and systems, including prescribing; order communication; product labeling, packaging, and nomenclature; compounding; dispensing; distribution; administration; education; monitoring; and use."

The DMHMRSAS technology environment supports applications developed and maintained by the agency (or local facilities) as well as third-party contractor solutions. The agency desktop, server and network technologies are provided and managed through a partnership agreement between the Virginia Information Technology Agency (VITA) and Northrop Grumman. All infrastructure equipment is provided to the agencies by the partnership as a fee-based service.

The vendor is responsible for installing and configuring the software. The vendor shall recommend rollout strategies. However, the DMHMRSAS' Pharmacy Operations plan requires that a pilot rollout methodology be utilized. Pilot sites are:

- 1) Southwestern Virginia Mental Health Institute Pharmacy;
- 2) Southwestern Virginia Training Center Pharmacy
- 3) The Community Resource Pharmacy.

When the Pilot phase is completed, the rollout should be continued as a phased statewide rollout..

During the pilot phase, user software problems and or modification/enhancement requests will be classified as:

- 1) CLASS 1 modification: "Needs immediate attention", (e.g., unique to all pharmacy operations);
- 2) CLASS 2 modification: "Nee

Is this a proposed project or the continuation of an active project? (Proposed or Continuing)?			Continuing	
Planned project start date:	10/10/2008	Planned project end date:	5/20/2011	
PPEA Involvement:				
Estimated Costs:	Total	General Fund	Nongeneral Fund	
Project Cost (estimate at completion):	\$3,499,999			
Estimated project expenditures first year of biennium:	\$1,489,623	\$166,348	\$1,323,274	
Estimated project expenditures second year of biennium:	\$0	\$0	\$0	

Service Area		Weight	
There are no service areas for this project.			
Project Related Procurements			
Purchase third party solution			
Procurement Description:	Purchase third party solution		
Planned Delivery Date:	6/30/2008		
Medication Management Procurement			
Procurement Description:	Obtain and implement a medication management automated application to support pharmacy functions at DMHMRSAS facilities and the Aftercare Pharmacy.		
Planned Delivery Date:	6/30/2009		

Non-Major Projects				
KRONOS Consolidation Project				
Appropriation Act/Funding Status			Active Project - Funded	
Obtain KRONOS workforce management software, hardware and configuration and training services for Eastern State Hospital (ESH) , Southeastern Virginia Training Center (SEVTC) and Central Virginia Training Center. Also move existing "stand-alone" version of KRONOS at Western State Hospital, Commonwealth Center for Children and Adolescents, and Catawba Hospital to consolidated, web-based version. (Agency has an existing contract that permits us to add facility licenses.)				
Is this a proposed project or the continuation of an active project? (Proposed or Continuing)?			Completed	
Planned project start date: 2/1/2010 Planned project end date: 9/30/2010				
PPEA Involvement:				
Estimated Costs:				
	Total	General Fund	Nongeneral Fund	Nongeneral Funding Source
Project Cost (estimate at completion):	\$923,171	\$0	\$923,171	
Estimated project expenditures first year of biennium:	\$0	\$0	\$0	Not Applicable
Estimated project expenditures second year of biennium:	\$0	\$0	\$0	Not Applicable

Funding Required:	Total	General	Nongeneral	Nongeneral Funding Source
Funding required for first year of biennium:	\$0	\$0	\$0	Not Applicable
Funding required for second year of biennium	\$0	\$0	\$0	Not Applicable
Service Area			Weight	
There are no service areas for this project.				
Project Related Procurements				
DBHDS Kronos Consolidation				
Procurement Description:	Upgrade 5 facilities utilizing KRONOS (third party vendor application) to a common hardware/software platform and consolidate servers to leverage transformed infrastructure.			
Planned Delivery Date:	9/30/2010			
Central Data Warehouse & Reporting Project				
Appropriation Act/Funding Status			Project in Planning -	
Design and build a central data warehouse for reporting needs for DBHDS primarily to meet requirements for Mental Health Block Grant and Substance Abuse Block Grant reporting to SAMSA. Required data are now being reported as "estimates" and funding authorities are requiring more precise reporting.				
Is this a proposed project or the continuation of an active project? (Proposed or Continuing)?			Proposed	
Planned project start date: 8/1/2010 Planned project end date: 9/30/2011				
PPEA Involvement:	No			
Estimated Costs:				
	Total	General Fund	Nongeneral Fund	Nongeneral Funding Source
Project Cost (estimate at completion):	\$150,000	\$0	\$150,000	
Estimated project expenditures first year of biennium:	\$100,000	\$0	\$100,000	Non-general - Federal
Estimated project expenditures second year of biennium:	\$50,000	\$0	\$50,000	Non-general - Federal
Funding Required:				
	Total	General	Nongeneral	Nongeneral

				Funding Source
Funding required for first year of biennium:	\$0	\$0	\$0	Non-general - Federal
Funding required for second year of biennium	\$0	\$0	\$0	Non-general - Federal
Service Area				Weight
720 DMHMR 49900 Administrative and Support Services				Primary
720 DMHMR 44506 Community Mental Health Services				Secondary
720 DMHMR 44507 Community Mental Retardation Services				Secondary
Project Related Procurements				
There are no procurements for this project				
Procurement Description:				
Planned Delivery Date:				
Systems Transformation Grant Goal 4				
Appropriation Act/Funding Status			Project in Planning -	
System Transformation Grant Goal 4 – ID Waiver System: Creation of a Centralized MR Slot management system that will allow for clients to be assigned to slots, manage services and receive PA #s from VAMMIS. In addition individuals or their authorized representatives will be able to view their status. An analysis will be done to determine how to share information with CSB systems				
Is this a proposed project or the continuation of an active project? (Proposed or Continuing)?				Proposed
Planned project start date:	11/1/2009	Planned project end date:	9/30/2011	
PPEA Involvement:				
Estimated Costs:	Total	General Fund	Nongeneral Fund	Nongeneral Funding Source
Project Cost (estimate at completion):	\$245,000	\$0	\$245,000	
Estimated project expenditures first year of biennium:	\$70,000	\$0	\$70,000	Non-general - Federal
Estimated project expenditures second year of biennium:	\$15,000	\$0	\$15,000	Non-general - Federal

Funding Required:	Total	General	Nongeneral	Nongeneral Funding Source
Funding required for first year of biennium:	\$0	\$0	\$0	Non-general - Federal
Funding required for second year of biennium	\$0	\$0	\$0	Non-general - Federal
Service Area				Weight
720 DMHMR 44507 Community Mental Retardation Services				Primary
720 DMHMR 78701 Facility and Community Programs Inspection and Monitoring				Secondary
Project Related Procurements				
There are no procurements for this project				
Procurement Description:				
Planned Delivery Date:				
ITOTS Expansion				
Appropriation Act/Funding Status			Project in Planning -	
<p>This data system enhancement will companion with other system changes that are occurring for the Infant & Toddler Connection of Virginia. Focus of the system change is enhanced accountability to the requirements of the system, including using electronic source to review what is actually happening with children and families.</p> <p>This project component would provide a considerably more complete set of tools for the staff in the state and local lead agency to coordinate and manage the services provided to infants. In capturing this information, the Part C program would also be able to fully comply with the Federal and State reporting requirements in both a timely and accurate manner and avoid penalties associated with failure to report necessary information. The current method of using monitoring data, an after-the-fact review of a sample set of data, provides no opportunity to make operational corrections in an on-going, proactive manner.</p> <p>Other Third Party Changes The current state insurance legislation will be reviewed and a proposal for revisions developed following implementation of the Medicaid changes. This will not include Employee Retirement Income Security Act (ERISA) or out of state insurers. Additional information is being sought to properly plan for the number of children with coverage that can be affected by State law. The working assumption is that it is 50%. This rate differs across the Commonwealth. The changes would propose a limited liability for the insurers by establishing an annual per child amount, which would be paid monthly and include all Part C services. This is dependent upon General Assembly approval and is probably 18 – 24 months out. Details for payment with the remaining insurers will need to be specified. The intent is to have provider payments be reasonably equivalent to other system payments.</p> <p>The requirements gathering and analysis for the replacement ITOTS application is approximately 85% complete. The scope of this project would include 1) completing the requirements and analysis, 2) evaluating and selecting options, 3) design and develop (or acquire) a technology solution and 4) implement the solution.</p>				

Most probable options for this replacement application include: 1. Customizing a solution already developed (Alaska, Fairfax) 2. Utilizing a customizable COTS solution in which the Commonwealth has already invested such as Microsoft Dynamics CRM or PeerPlace (used in No Wrong Door)				
Is this a proposed project or the continuation of an active project? (Proposed or Continuing)?				Proposed
Planned project start date:	6/30/2010	Planned project end date:	9/30/2011	
PPEA Involvement:				
Estimated Costs:	Total	General Fund	Nongeneral Fund	Nongeneral Funding Source
Project Cost (estimate at completion):	\$600,000	\$0	\$600,000	
Estimated project expenditures first year of biennium:	\$250,000	\$0	\$250,000	Non-general - Federal
Estimated project expenditures second year of biennium:	\$350,000	\$0	\$350,000	Non-general - Federal
Funding Required:	Total	General	Nongeneral	Nongeneral Funding Source
Funding required for first year of biennium:	\$0	\$0	\$0	Non-general - Federal
Funding required for second year of biennium	\$0	\$0	\$0	Non-general - Federal
Service Area				Weight
There are no service areas for this project.				
Project Related Procurements				
There are no procurements for this project				
Procurement Description:				
Planned Delivery Date:				
AVATAR Database Upgrade and Hardware Migration				
Appropriation Act/Funding Status			Project in Planning -	
1. Upgrade Cache DBMS. The current version of Cache is UNIX 5.1.10, updating to Windows Cache 2008.2. Cache will be upgraded by loading the Windows version on the new Windows server. The data will then be copied from the UNIX server. 2. Migrate from Unix to Windows platform.				

The migration to Windows will be done by loading the database and the new version of the application on the Windows server. The data will then be moved to the Windows server. The vendor has scripts to accomplish everything. No data conversion is needed. The database structure is the same. The data will be moved from the old UNIX version of the database to the new Windows version.				
Is this a proposed project or the continuation of an active project? (Proposed or Continuing)?				
Planned project start date:	7/19/2010	Planned project end date:	12/31/2010	
PPEA Involvement:	No			
Estimated Costs:	Total	General Fund	Nongeneral Fund	Nongeneral Funding Source
Project Cost (estimate at completion):	\$130,000	\$0	\$130,000	
Estimated project expenditures first year of biennium:	\$130,000	\$0	\$130,000	Non-general - State
Estimated project expenditures second year of biennium:	\$0	\$0	\$0	
Funding Required:	Total	General	Nongeneral	
Funding required for first year of biennium:	\$0	\$0	\$0	
Funding required for second year of biennium	\$0	\$0	\$0	
Service Area				Weight
720 DMHMR 49900 Administrative and Support Services				Primary
720 DMHMR 43006 Geriatric Care Services				Secondary
720 DMHMR 43007 Inpatient Medical Services				Secondary
720 DMHMR 43010 State Mental Retardation Training Center Services				Secondary
720 DMHMR 43014 State Mental Health Facility Services				Secondary
720 DMHMR 49800 Facility Administrative and Support Services				Secondary
Project Related Procurements				
AVATAR Upgrade 2010				
Procurement Description:	1. Upgrade the AVATAR PM application Cache DBMS to 64-bit Version 2008.2 2. Migrate AVATAR PM database application from older UNIX platform to Windows platform			

Planned Delivery Date:	12/31/2010		
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Report Title: Appendix A 10 - 12 Report

Agency: Department of Behavioral Health and Developmental Services (DBHDS)

Date: 10/8/2010

Agency Head Approval:

Yes

There are no major procurements for this agency.

Stand Alone Non-Major Procurements

Procurement Name:	ESH and SEVTC Kronos Procurement		
Procurement Description:	Procure KRONOS workforce management software, hardware and configuration and training services for Eastern State Hospital (ESH) and Southeastern Virginia Training Center (SEVTC). (Agency has an existing contract that permits us to add facility licenses.)		
Procurement Planned Start Date	7/1/2010	Procurement Planned Completion Date	9/30/2010
		Appropriation Act Status	
Service Area		Weight	
720 DMHMR 43010 State Mental Retardation Training Center Services		Primary	
720 DMHMR 43014 State Mental Health Facility Services		Primary	
720 DMHMR 43006 Geriatric Care Services		Secondary	
720 DMHMR 43007 Inpatient Medical Services		Secondary	
720 DMHMR 49800 Facility Administrative and Support Services		Secondary	
Procurement Name:	KRONOS Contract Re-Establishment 2010		
Procurement Description:	Approximately ten (10) years ago, the Department of Behavioral Health and Developmental Services (DBHDS), requested and received approval (from DGS/DPS to enter into a sole source contract with Kronos Incorporated for time and leave management reporting systems. DBHDS requested this approval in an effort towards standardizing information technology related procurements to the extent practicable for most if not all major software systems used throughout our 16-facility system. The department determined		

	the need to enter into a sole source contract for Kronos's time and leave management system (hardware, software, maintenance and technical assistance) due to the degree in which Kronos time and leave management systems was already found in one-third of our facilities at that time, and our satisfaction with the Kronos system's performance.		
Procurement Planned Start Date	7/1/2010	Procurement Planned Completion Date	6/30/2016
		Appropriation Act Status	
Service Area		Weight	
720 DMHMR 49900 Administrative and Support Services		Primary	
720 DMHMR 43010 State Mental Retardation Training Center Services		Secondary	
720 DMHMR 43014 State Mental Health Facility Services		Secondary	
720 DMHMR 49800 Facility Administrative and Support Services		Secondary	