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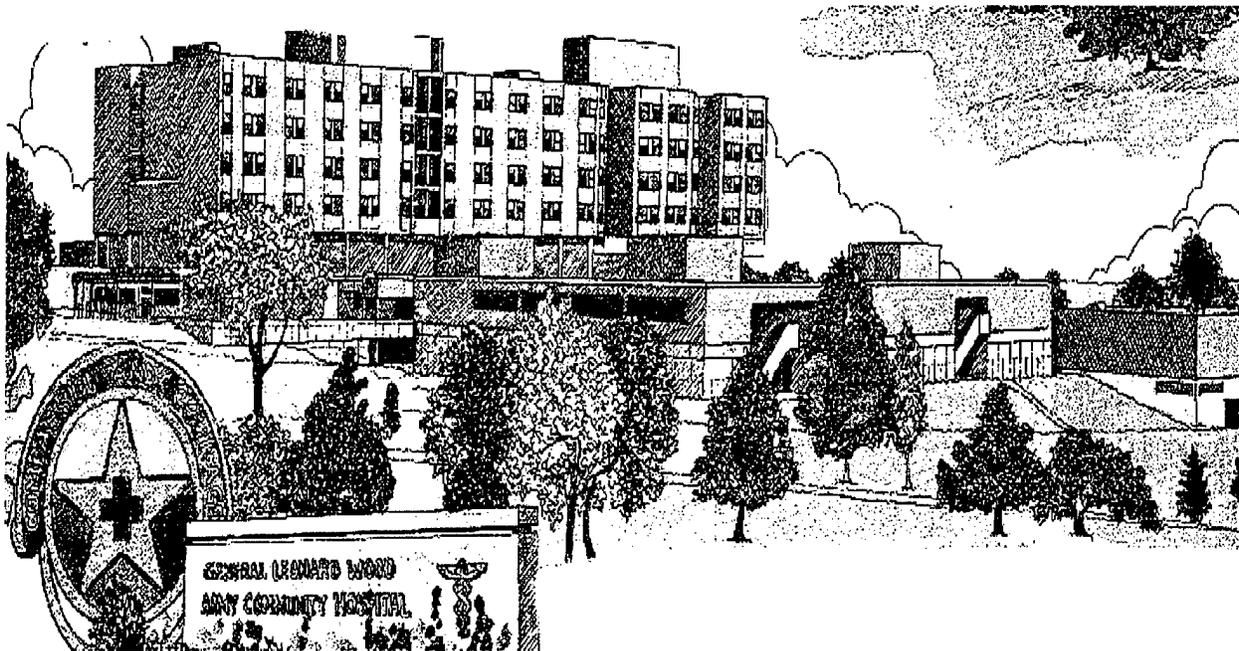
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Running head: ASAM PERSONNEL STAFFING LEVELS

**Determining Personnel Staffing Levels for General Leonard Wood  
Army Community Hospital Using the Automated Staffing  
Assessment Model (ASAM)**



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**Abstract**

Fort Leonard Wood is expecting approximately 7,537 additional personnel as a result of the Base Realignment and Closure (BRAC) process. The increase is approximately 23% above the current population of 33,116 personnel. The Automated Staffing Assessment Model (ASAM) was used to forecast additional personnel requirements for General Leonard Wood Army Community Hospital (GLWACH) in response to the BRAC increase. A 23% increase was applied to the current Medical Expense and Performance Reporting System (MEPRS) workload levels within each hospital service and specialty.

The results showed an increase in staffing requirements of eighty-three personnel (from 901 to 984), an increase of approximately 9.2%. Ten of the eighteen major functions within the hospital realized an increase. The largest percentage increase was realized in the Pathology Division (26%); the largest raw increase was realized in the Division of Primary Care and Community Medicine (28 personnel).

Although the ASAM yielded useful information, additional data must be gathered before the validity of the ASAM as a forecasting tool can be assessed.

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**Determining Personnel Staffing Levels for General Leonard Wood Army Community  
Hospital Using the Automated Staffing Assessment Model (ASAM)**

**INTRODUCTION**

**Conditions Which Prompted the Study**

In accordance with Title 10, 138 United States Code (U.S.C.), the Secretary of Defense is required to provide a detailed manpower requirements report to Congress each fiscal year. Since 1953, Department of Defense Directives (DoDD) 1100.04 and 1100.2 have required each Service to determine and program minimum essential manpower requirements based upon workload. In addition, DoDD 6010.13 requires each Service to use the Medical Expense and Performance Reporting System (MEPRS) in capturing uniform health care cost management data such as workload (MEDCOM, 1997).

In accordance with the guidance mentioned above, General Leonard Wood Army Community Hospital (GLWACH) is conducting a study to determine the optimal staffing levels of its clinical and support personnel in preparation for an increased beneficiary (patient) population. Fort Leonard Wood is scheduled to receive the U.S. Army Military Police School and the U.S. Army Chemical School from Fort McClellan, Alabama as a result of the Base Realignment and Closure (BRAC) process. The two schools will merge to create the Maneuver Support Center (MANSCEN) at Fort Leonard Wood no later than 1 October 1999 (BRAC Office, 1998).

The creation of the MANSCEN will bring with it large influxes of permanent party military, family member, civilian, and trainee / student personnel. Based upon estimates provided by the Fort Leonard Wood Directorate of Resource Management, the influxes will result in 7,537 additional personnel, as expressed in **Table I** below.

**Table I****BRAC Increases Per Population Group**

<b>POPULATION GROUP</b>	<b>BRAC INCREASE</b>	
Permanent Party Military	1,263	
Trainees / Students	2,881	
Receptees	90	
Reserves	63	
Medical Hold / Transient	63	
<b>Subtotal Military Personnel</b>	<b>4,360</b>	
DA Civilians / DoD Permanent Party	364	
Other Civilians	303	
Civilian Trainees	100	
<b>Subtotal Civilian Personnel</b>	<b>767</b>	
Family Members (On-Post)	759	
Family Members (Off-Post)	1,651	
<b>Subtotal Family Members</b>	<b>2,410</b>	
<b>Total Personnel</b>	<b>7,537</b>	(DRM, 1998)

GLWACH currently serves an estimated patient population of 33,116 personnel.

Therefore, the total beneficiary population will increase to approximately 40,653 personnel by 1 October 1999 - an increase of approximately 23%.

**Statement of the Problem**

The challenge facing the Commander of GLWACH, is determining the number of additional hospital personnel required, by service and specialty, to treat an increased beneficiary population while maintaining the facility's mission, **"To provide quality health care services in a coordinated, comprehensive and compassionate manner, while producing highly trained health care professionals ready to deploy to any contingency"** (GLWACH, 1998).

Although forecasts for increased staffing requirements have been made, they have not been validated with a standardized assessment tool to justify increased Table of Distribution and Allowances (TDA) positions.

### Literature Review

A review of the literature reveals three basic methods for determining staffing requirements. The first method is termed the "intuitive method", also referred to as professional judgement. This is a very traditional approach, allowing managers to tailor the numbers and mix of staff based upon skill, experience, and patient need. The main drawback is a lack of consistency across wards and clinics (Clay, 1987).

The second method is the "consultative method". Two widely-known tools used in nursing are the Telford Method (Telford, 1979) and the Brighton Method (Waite & Hirsch, 1986). These tools both involve an internal audit of patient throughput and dependency, yielding a workload value. As with the intuitive method, the Telford Method has been criticized for its subjective nature and inconsistencies across wards and clinics. The Brighton Method combines both objective and subjective data in an attempt to increase standardization (Arthur & James, 1994).

The final method is referred to as "top-down staffing norms". The method is relatively simple to employ because it is based upon minimum requirements established by professional organizations for given specialties. The results may take the form of nurse - bed ratios per shift per clinic. The result is increased standardization, however there is no accounting for many of the factors considered under the intuitive method, mainly staff skill, patient need, and local variation (Arthur & James, 1994).

Studies suggest that three factors are key in determining whether a facility or patient care unit has adequate staffing to ensure quality care. The first factor is the ratio of staff to patients.

The second factor is the staff skill mix, or the percentage of staff who are RNs. The third factor is patient acuity – a measurement of the seriousness of the conditions of a facility's / unit's patients and the associated intensity of nursing resources needed to care for them. Accounting for acuity in staffing is important because the same number of patients can require radically different amounts of care. Failure to account for acuity can often result in inadequate staffing levels. *EMPOWER!*, the California-based managed care patient advocate organization, continuously lobbies state government officials to ensure Health Maintenance Organizations (HMOs) maintain safe medical staffing levels (*EMPOWER!*, 1998). Also, the National Academy of Sciences Institute of Medicine's committee on the adequacy of nurse staffing in hospitals and nursing homes refused to endorse specific laws or regulations mandating nursing staff ratios because they do not take acuity into account (Institute of Medicine, 1996).

There are sound reasons for ensuring proper medical staffing. Inadequate staffing levels can be extremely hazardous to patient care and safety. A 1993 review of the literature on RNs' impact on patient outcomes revealed "substantial evidence linking RN levels and mix to mortality, length of stay, cost, and morbidity outcomes" (Prescott, 1993). This evidence was validated by a 1997 study which found a great potential for harm in mandating nurse staffing regulations (Buerhaus, 1997). A 1989 study found that higher levels of staff per patient and higher skill mix are associated with a reduced chance of mortality within the hospital (Hartz et al., 1989). A recent study by the American Nurses Association found that staffing ratios and skill mix are significantly related to increased incidence of pressure ulcers (bedsores), pneumonia, urinary tract infection incurred after admission to the hospital, as well as postoperative infections (Knauf et al., 1997).

Understaffing has also been blamed for many recent deficiencies at Columbia Sunrise - Columbia/HCA's largest hospital. Some of the more serious offenses were:

- Significantly increased nosocomial infection rates
- IV dressings not changed for a week or more
- Late feedings for stroke patients
- Delays in the delivery of medications
- Errors in the delivery of IV medications and fluids
- Infections and bedsores from failure to turn bedridden patients as required
- Inability to fill physicians' orders properly

The root cause of the above-mentioned problems was the removal of the acuity assessment forms from the patients' records and charts. Erroneously, managers staffed their units based upon the number of patients in beds, regardless of their respective acuity levels (Profiles of U.S. Hospitals, 1996).

What tools are available to ensure we have optimal staffing levels in our facilities? A review of the literature reveals two basic methods for determining staffing ratios. The first method is derived through benchmarking in which the ratio of providers to patients within health care organizations is averaged to achieve a base line. The second method is the static mathematical model in which spreadsheets are used to develop formulas comprising several variables that are crucial to the facility's staffing plan.

### **Benchmarking**

Kongstvedt discusses benchmark staffing ratios in terms of closed health plans - group and staff model panel HMOs or large group practices with a high proportion of managed care business. Averages are provided to help organizations establish ratios, but he points out that numbers vary depending on the size of the health plan, the geographical location, and the proportion of Medicare enrollees. As a result, provider - patient ratios vary widely among HMOs. A large, mature closed panel plan, serving a predominately commercial population,

enrolls an average panel size of 1,250 patients per primary care manager (PCM). Larger plans tend to have larger panels in order to achieve economies of scale (Kongstvedt 1996). However, a study of California HMOs found a much more robust ratio of 555 patients per PCM (Hart, et al., 1997).

Another HMO method for determining panel size uses a combination of benchmark data and actuarial data. A ratio of 2,000 patients per provider is uniformly used for family practice physicians with two exam rooms. Likewise, the enrollment numbers of 1,400 and 1,200 are used for pediatricians and internists respectively. However, "equivalency factors" which account for individuals' age, gender, and chronic illness are assigned to each enrollee. Thus, one patient might count as 1.3 patients, therefore yielding a panel of fewer than the standard 2000 members (Institute of Medicine, 1996).

For over forty years, the United States Army defined manpower requirements using various forms of staffing tools. These tools included such processes as manpower surveys, staffing standards, staffing guides, and the U.S. Army Medical Command's (MEDCOM) 1993 Benchmarking System. The MEDCOM Benchmarking System used available man-hour and workload data from MEPRS to develop benchmark times (times to accomplish a unit of work for each Medical Treatment Facility [MTF] work center) through correlation and regression analyses (MEDCOM, 1997).

The MEDCOM Benchmarking System was based on the "most efficient organization" concept. The most efficient organizations were those MTFs which yielded the most efficient staffing mix (plus or minus one standard deviation from the mean) within the given service or specialty. The average amount of provider time per visit was established as the benchmark for all MTFs. Some examples were the Family Practice Clinic with a benchmark time of 17.88 minutes per visit, or 415 visits per provider per month; and the Primary Care Clinic with a

benchmark time of 10.98 minutes per visit, or 709 visits per provider per month (Johnston, 1998).

To verify the accuracy of the benchmark data; MEDCOM conducted on-site manpower studies at each MTF from 1993 to 1996. The studies revealed that the benchmark values were good estimates, but were in need of refinement (Johnston, 1998). As a result of the many flaws noted in the Benchmarking System, the process was redesigned and renamed the Automated Staffing Assessment Model (ASAM) in February 1997. This static mathematical model was first tested at Brooke Army Medical Center in San Antonio, Texas before being applied to MTFs throughout the Army (MEDCOM, 1997).

### **Automated Staffing Assessment Model (ASAM)**

ASAM is a static mathematical modeling tool used to define MTF manpower requirements in the capitated budget managed care environment. According to the Office of the Surgeon General (OTSG), ASAM is currently the only officially recognized Department of the Army (DA) staffing process used in medical TDA work centers. The goal of the ASAM is to provide MTF commanders with useful information that will aid the development of various staffing options within the facility's business plan (OTSG, 1998).

ASAM determines the minimum essential requirements in each medical specialty and service within the MTF using Medical Planning Factors (MPF) and historical workload data collected and validated from two sources: MEPRS and the specific MTF itself. MEPRS data is used in determining inpatient, outpatient, and ancillary services, while locally appraised MTF workload is used to determine support and special program requirements. MTF-specific data includes an initial on-site assessment to evaluate locally configured elements, site-specific missions, support and special program functions, and MTF reported workload and staffing data. Specific considerations would include such data as Professional Officer Filler System (PROFIS)

requirements and Basic Trainee support requirements. The model also assists in managing alternative sources of labor (e.g. contracts, direct hire, and borrowed military manpower) (OTSG, 1998).

Please refer to the Methods and Procedures section below for a detailed explanation of the various ASAM worksheets.

### **Purpose**

The purpose of this project is to determine the number of additional hospital personnel required (if any), by service and specialty, to treat the projected increased beneficiary population. The results of the ASAM projection will be submitted to the MEDCOM Manpower Requirements Branch in order to justify increased positions for the FY00 TDA.

The variables to be used in forecasting additional requirements are specified below in the ASAM Worksheet Explanation of the Methods and Procedures section.

### **METHODS AND PROCEDURES**

As stated in the conditions which prompted the study, the anticipated number of additional personnel assigned to Fort Leonard Wood is 7,537, an increase of approximately 23% above the current population level. Accordingly, the FY 98 MEPRS workload factors in each of the given activities, wards, or clinics will be increased by a uniform 23% for the purpose of forecasting.

Since the ASAM has never been utilized as a forecasting tool, it is important to discuss the concepts of validity and reliability. Cooper and Emory (1995) state the importance of validity and reliability in any measurement tool. They define validity as the extent to which a test or tool measures what it is intended to measure, and reliability as the accuracy and precision of the measurement procedure. Reliability is a necessary component of validity; therefore a tool must be both reliable and valid before it can meet validity constraints (p. 148-155). The extensive

three-year data collection effort by MEDCOM prior to fielding the ASAM, produced detailed, standardized formulas for determining proper staffing levels under various internal and external factors. For this reason, the ASAM is considered to be a reliable tool for determining MTF staffing levels. However, not until after the additional personnel have actually arrived on Fort Leonard Wood, and have used the hospital's services for a period of time may we begin to gather data on the validity of the ASAM as a forecasting tool.

### **ASAM Worksheet Explanation**

The following explanation details the data / information represented on the ASAM worksheet. The GLWACH worksheets consist of twenty-two columns, which contain various data critical to the staffing level authorizations within the facility. Please refer to **Appendix A** for the completed worksheet for GLWACH. The specific column explanations are as follows:

#### **Column (A): PARA**

The TDA paragraph number of the function / position reflected in ASAM Column (C).

#### **Column (B): MEPRS**

The MEPRS account code for the function / paragraph number.

#### **Column (C): FUNCTION**

The affected MTF work center title.

#### **Column (D): WKLD FACTOR**

The abbreviated title for the MEPRS workload being assessed and / or Positional & Directed (P & D) Requirements. Positional & Directed Requirements are part of the "Open the Door" costs and are not earned based on workload. These positions are required because of the necessary foundational structure of the MTF, or are required by law. An example would be the MTF Commander, who is required regardless of the size or workload of the MTF.

Columns (E) & (F): REQ & AUTH

The baseline TDA Requirements and Authorizations. Positions used in the model after aligning the proper MEPRS code to TDA positions for the indicated function.

Column (G): WKLD

Represents the monthly average workload downloaded from the appropriate data source such as MEPRS or the Composite Health Care System (CHCS). This information is specific to the facility and may be based on data such as the number of clinic visits or prescriptions filled per month.

Column (H): MPF

The Medical Planning Factor(s). The MPF is the amount of time allotted to a provider to conduct a clinic visit. It is derived from the average amount of time for the visit plus the relative value of time for a patient visit, continuing education, ward rounds, as well as military and administrative functions. For example, an average face-to-face patient visit may take fifteen minutes, however the provider may only be able to conduct three visits per hour due to other administrative duties.

The factor is then applied to each clinic visit to determine the amount of providers needed. The MPFs are facility-specific based upon historical and actual time associated with reported manpower and workload.

Column (I): MPF PROV YIELD

The yield of providers earned, as determined by the formula:

$$\text{Columns (G) x (H) / 145.0 hours (man-hour availability factor)}$$

Column (J): ADD (BAQ / BBBA) & OTSG CONSLT

The additional requirements earned through MTF specific workload as generated within the unique work center. "BAQ" and "BBBA" are MEPRS codes representing Infectious Disease and Cardiovascular Thoracic Surgery respectively.

Column (K): PROV READI FTR ADD

The total number of provider personnel earned for readiness purposes, as determined by the

formula:

**Total Monthly Hours of Readiness Training or Hours Deployed / 145.0 hours**

Column (L): PROV REQ YIELD

The total provider requirements earned by effort, readiness, and MTF specific additive(s) as determined by the formula:

$$\text{Columns (I) + (J) + (K)}$$

Column (M): PROV SPT RATIO

The ratio of support personnel earned per provider. This ratio only applies to "B accounts" (MEPRS outpatient clinic data) and is unique to each function, thus allowing flexibility in the amount of nurses, paraprofessionals, and administrative personnel.

Column (N): MPF SPT YIELD

The number of support staff earned based on workload, as determined by the formula:

$$\text{Columns (G) x (H) / 145.0 hours}$$

*OR*

The number of support staff earned based on number of providers earned, as determined by the formula:

$$\text{Columns (L) x (M)}$$

The formula used is dependent upon MEDCOM guidance, which directs how each activity will determine its support staff requirements.

Column (O): SPT READI FTR ADD

The total number of support personnel earned for readiness.

Column (P): DECENT APPT CLK ADD

The total number of appointment clerks needed, as determined by the formula:

$$\{[\text{Column (G) * 3}] / 60\} / 145$$

Column (Q): SPT REQS YIELD

The total number of support personnel earned by workload and readiness, as determined by

the formula:

$$\text{Columns (N) + (O)}$$

Column (R): ASAM REQS YIELD

The total requirements earned including providers, support, and readiness personnel, as determined by the formula:

$$\text{Columns (L) + (P)}$$

Column (S): OUTSIDE MODEL LOCAL ADDITIVE

The numbers of requirements that exceed the model workload yield. This amount is assessed through a local MTF appraisal.

Column (T): NOTE CODE

The "alpha" or numeric code identifying the local condition affecting the specific work center. The code is then expressed as a footnote at the bottom of the worksheet printout.

Column (U): TOTAL MODEL REQ'S

The aggregate yield of provider, support, and readiness personnel, as determined by the formula:

$$\text{Columns (Q) + (R) + (S)}$$

The resulting number becomes the documented figure on the TDA.

Column (V): REQ'S DELTA

The delta between the documented baseline TDA requirements and the total model requirements earned, as determined by the formula:

$$\text{Columns (U) - (E)}$$

A minus (-) represents a loss in requirements, while a plus (+) represents a valid need. A need may be met by shifting requirements from other work centers where a loss has occurred.

**Recommended FTR Breakout**

Upon completion of the ASAM worksheet, the model generates a recommended "Full

Time Requirement” breakout by category (i.e. providers, nurses, paraprofessionals, and clinical support personnel) for all clinical activities within the hospital. It is important to note that the breakout is simply a recommended structure - it is not a mandatory staffing directive. Please refer to **Appendix B** for the recommended breakout for the GLWACH clinical activities. The specific column explanations are as follows:

Column (A): PARA

The TDA paragraph number of the function / position reflected in ASAM Column (C).

Column (B): MEPRS

The MEPRS account code for the function / paragraph number.

Column (C): FUNCTION

The affected MTF work center title.

Column (D): PROV (CAT 1)

The number of providers (Category 1 staff) required, as determined by the formula:

**Column (L) from previous worksheet \* CAT 1 %**

Column (E): DIRECT CARE PROV (CAT 2)

The number of direct care providers (Category 2 staff) required, as determined by the formula:

**Column (L) from previous worksheet \* CAT 2%**

Column (F): NURSE

The number of nurses (Category 3 staff) required, as determined by the formula:

**Column (P) from previous worksheet \* CAT 3%**

Column (G): DIRECT CARE P/PROF

The number of direct care paraprofessionals (Category 4 staff) required, as determined by

the formula:

**Column (P) from previous worksheet \* CAT 4%**

Column (H): CLINIC / ADMIN SUPPORT

The number of clinical support, admin support, and logistic personnel (Category 5 staff) required, as determined by the formula:

**Column (P) from previous worksheet \* CAT 5%**

Column (I): TOTAL EARNED PROV

The total number of providers earned, as determined by the formula:

**Columns (D) + (E)**

Column (J): TOTAL EARNED SPT

The total number of support personnel earned, as determined by the formula:

**Columns (F) + (G) + (H)**

Column (K): TOTAL EARNED FTR'S

The total number of full-time requirements earned, as determined by the formula:

**Columns (I) + (J)**

**Requirements Summary**

The ASAM also generates a summary sheet which combines each department's / division's data into an aggregate total. This sheet allows the MTF Commander to understand the total impact of the personnel changes to the facility. Please refer to **Appendix C** for the GLWACH summary sheet. The specific column explanations are as follows:

Column (A): MODEL PART / PAGE

The specific part / page where the data from a function may be found.

Column (B): FUNCTION

The specific department, division, or activity within the facility.

Columns (C) & (D): REQ & AUTH

The baseline TDA Requirements and Authorizations; positions used in the model after aligning the proper MEPRS code to TDA positions for the indicated function.

Column (E): READINESS REQ'S ADDITIVE

The total number of provider personnel earned for readiness purposes.

Column (F): ASAM REQ'S YIELD

The total requirements earned including providers, support, and readiness personnel.

Column (G): OUTSIDE MODEL ADDITIVE

The numbers of requirements that exceed the model workload yield.

Column (H): TOTAL MODEL REQ'S

The aggregate yield of provider, support, and readiness personnel. The resulting number becomes the documented figure on the TDA.

Column (I): REQ'S DELTA

The delta between the documented baseline TDA requirements and the total model requirements earned. A minus (-) represents a loss in requirements, while a plus (+) represents a valid need.

**RESULTS**

Increasing the MEPRS workload factors within each hospital function by 23%, yielded staffing increases as expressed in **Table II** below:

**Table II**  
**ASAM Staffing Increases Per Hospital Function**

<b>FUNCTION</b>	<b>PRE-BRAC STAFFING</b>	<b>POST-BRAC STAFFING</b>	<b>INCREASE (RAW)</b>	<b>INCREASE (%)</b>
Command & Special Staff Section	30	27	-3	-10.0
Surgery Division	73	83	10	13.7
Anesthesiology & Op Services	30	34	4	13.3
Primary Care & Community Med	191	219	28	14.7
Nursing Operations Division	96	109	13	13.5
PERTS	9	10	1	11.1
Behavior Medicine Division	39	46	7	17.9
Radiology Division	37	38	1	2.7
Pathology Division	43	54	11	25.6
Pharmacy Division	32	37	5	15.6
Logistics Division	117	117	0	-
Patient Administration Division	61	61	0	-
Human Resource Division	16	16	0	-
Nutrition Care Division	45	51	6	13.3
Resource Management Division	14	14	0	-
Automation Management Division	17	17	0	-
Managed Care Division	19	19	0	-
Preventive Medicine Division	32	32	0	-
<b>Total Personnel</b>	<b>901</b>	<b>984</b>		
<b>Total Additional Personnel</b>			<b>83</b>	<b>9.2%</b>

As shown, the net personnel increase for GLWACH is eighty-three, or approximately a

9.2% increase from the pre-BRAC staffing level of 901 personnel. Of the eighteen major functions within the hospital, ten experienced increased requirements. The largest percentage increase is the Pathology Division (25.6%); the largest raw increase is the Division of Primary Care and Community Medicine (28 personnel). Only the Command and Special Staff Section experienced decreased requirements due to the elimination of three positions.

### **DISCUSSION**

It is important to note that the MEPRS workload factors are but one of many variables considered within the model, as evidenced by the fact that the 23% workload increase did not increase service or specialty requirements within the hospital by the same amount. For example, the constraints of the model may consider that an Internal Medicine Practitioner (from the Division of Primary Care and Community Medicine) can treat thirty patients per day. If our Internal Medicine Practitioners are currently treating only twenty patients per day, then the 23% workload increase will raise the number to only twenty-four patients per day, which is not enough to warrant additional requirements.

The assumption of this project is that the increased patient utilization of each activity will not differ significantly from the increased number of beneficiaries who are covered by the activity. However, there are several factors which could alter the forecasted workload increase for a particular clinic or service. Two examples are TRICARE enrollment and health care demand.

#### **TRICARE Enrollment**

A policy memorandum from Dr. Stephen Joseph, Acting Assistant Secretary of Defense for Health Affairs, outlined the "TRICARE Prime" doctrine in accordance with Title 10, 138 U.S.C. The doctrine states first priority of care goes to active-duty members, second priority

goes to other TRICARE Prime enrollees, and last priority goes to non-TRICARE Prime patients (Joseph, 1996). Some of the new Fort Leonard Wood personnel who are eligible to enroll in TRICARE Prime may not choose to do so. Therefore, they will only be treated at GLWACH on a space-available basis. Conversely, personnel who are currently not in TRICARE Prime may choose to enroll in the program, thereby increasing the GLWACH enrolled population.

Personnel who do enroll in "TRICARE Prime" may choose either a family practice option or a multi-specialty option. Those choosing the family practice option will have all their family's primary care needs met by a family practice PCM. Those choosing the multi-specialty option will have their family's primary care needs met by an internal medicine PCM, and their pediatric and OB/GYN needs will be met by the respective specialists. Currently, of the 19,600 enrolled beneficiaries, 10,450 (or 53.3%) are covered by Family Practice, while 9,150 (or 46.7%) are covered by multi-specialty services (DPCCM, 1999). It is possible that a disproportionately large percentage of the new personnel will desire either option. A large percentage of Family Practice enrollees could result in a significant workload increase in the Family Practice Clinic, with only a marginal workload increase in the Internal Medicine, OB/GYN, and Pediatric Clinics. A large percentage of multi-specialty enrollees could have the opposite effect.

### **Health Care Demand**

It is very difficult to predict the future health care demands of a large population, especially a population that has not yet arrived. For this reason, the assumption must be made that the demand will not be significantly different than that of the current assigned population. However, factors such as fitness level, health status, work environment, stress level, illness acuity, and propensity to seek medical care are traits which are unique to each beneficiary, and could either raise or lower demand.

Health promotion and disease prevention efforts are crucial in reducing demand for health

care services. Initiatives in our Health Promotions Center and Clinic may increase the health status of the population, thereby decreasing demand for primary and specialty services.

GLWACH will also institute a Telephone Nurse Triage (TNT) "help-line" to provide phone consults for patients requesting a same-day appointment with their PCM. Preliminary estimates show a possible avoidance of 9,000 emergency room visits and 8,187 clinic visits per year (DCCS, 1999).

### **CONCLUSION & RECOMMENDATIONS**

The Automated Staffing Assessment Model yielded useful information to the leadership of General Leonard Wood Army Community Hospital. The main utility of this project is determining the appropriate staffing levels to ensure the GLWACH staff is prepared for the additional patient population and subsequent workload increase. The additional personnel requirements determined by the ASAM were submitted to MEDCOM in January of 1999 to obtain required positions on the FY00 TDA. If the positions are approved, I recommend the GLWACH Governing Board authorize the recruitment of additional personnel no later than May of 1999 - six months before the effective date of the TDA.

As stated previously, not until after the additional population arrives at Fort Leonard Wood may we truly assess the validity of the ASAM as a forecasting tool. At that time, we will adjust our staffing levels to meet the health care needs of our beneficiaries.

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## **APPENDIX A**

**PART: 2**  
**COMMAND SECTION & SPECIAL STAFF**  
 FT. LEONARD WOOD MEDDAC

PARA (A)	MEPR (B)	FUNCTION (C)	WPKD FACTOR (D)	0246 REQ (E)	0246 AUTH (F)	WPKD (G)	# PERSON REQUIRE (H)	TOTAL HOURS REQUIRE (I)	MPF (J)	WLF ERND (K)	READI FTR (L)	ASAM REQ			NOTE CODE (O)	TOTAL MODEL REQS (M+N) (P)	REQ'S DELTA (Q)		
												COMBINED (R)	LOCAL (S)	OUTSIDE (T)					
101/LN01-01	EBA	HOSPITAL COMMANDER	POSITIONAL	11	9	8	8	0.000	8	0.000	0.000	8	0.000		8	-3			
103/LN01-02	EBB	CHAPLAIN	OBD	2	2	1515	2	0.000	2	0.000	0.000	2	0.000		2	0			
105/LN01-02	EBA	CLINICAL SERVICE OFFICE	POSITIONAL	2	2	2	2	0.250	2	0.000	0.250	2	0.000		2	0			
102/LN01-07	EBB	QUALITY IMPROVEMENT	POSITIONAL	3	2	1	1	0.000	2	0.000	0.000	2	0.000		2	-1			
		WLF 1: AVG # OF RISK MGMT ASSESSMENTS	21																
		WLF 2: AVG # OF MED MALPRACTICE CLAIMS	1																
105/LN01-01	EBB	CREDENTIALS OFFICE	300	2	2	2	1	145	72.500	1.000	0.000	2	0.000		2	0			
105/LN01-02	EBB	PATIENT REPRESENTATIVE OFFICER	POSITIONAL	2	1	2	2	0.000	2	0.000	0.000	2	0.000		2	0			
105/LN01	EBD	AMBULATORY NURSING	POSITIONAL	1	1	1	1	0.000	1	0.000	0.000	1	0.000		1	1			
107/LN01-03	EBB	INTERNAL REVIEW AND AUDIT OFFICE	POSITIONAL	3	1	1	1	0.000	1	0.000	0.000	1	0.000		1	-2			
104/LN01-04	EBA	EXECUTIVE ADMINISTRATIVE STAFF OFFICE	POSITIONAL	4	3	3	3	0.000	3	0.000	0.000	3	0.000		3	-1			
105/LN01-02	EBA	CLINICAL SUPPORT OFFICE	POSITIONAL	2	1	0	0	0.000	0	0.000	0.000	0	0.000		0	-2			
105/LN01-02	EBB	INFECTION CONTROL/NURSING QUALITY INPR	POSITIONAL	2	2	1	1	0.000	1	0.000	0.000	1	0.000		1	-1			
107/LN01-02	EBA	ADMINISTRATIVE HOSPITAL SERVICE	POSITIONAL	2	2	2	2	0.000	2	0.000	0.000	2	0.000		2	0			
<b>TOTALS</b>																			
											36	28	26	1.000	0.230	27	0.000	27	-9
											YRLY	FTR							
											40	0.023							

**TDA RMKS**

- NOTE CODE DEFINED:
- NURSE METHANAL EARNED RMD;NUR NCO EARNED IN AMBULATORY NURSING
- USAHC, ST LOUIS, NOW PART OF USA MEDDAC. FT LEONARD WOOD'S IDA WILL TRANSFER ALL REQS/AUTHS EXCEPT OCC HLTH & ADAPCP TO AIR FORCE EFFECTIVE OCT '97 (FY98) HEALTH ADVISOR POSITION MOVED FROM MANAGED CARE

CLINICAL SVC READINESS

PART: 3

SURGERY DIVISION  
FT LEONARD WOOD MEDDAC

PARA (A)	MEPR (B)	FUNCTION (C)	WILKO FACTOR (D)	REQ (E)	WILKO AUTH (F)	WILKO (G)	MPF (H)	PROV YIELD (I)	ADD (BAQ/BBBA) & OTSG (J)	PROV READ (K)	PROV PATTERN (L)	REQ'S YLD (M)	PROV/ SPT (N)	MPF SPT (O)	SPT READ (P)	APPT (Q)	DECENT (R)	SPT (S)	ASAM (T)	REQ'S YLD (U)	LOCAL ADD (V)	OUTSIDE MODEL (W)	NOTE CODE (X)	TOTAL REQ'S (Y)	DELTA (Z)	
	EBD	CHIEF, DEPARTMENT OF SURGERY	PATTERN	3	3	3		3			3									3				3	0	
	BBA	GENERAL SURGERY CLINIC	CLINIC VISIT	5	6	428	0.725	2,140		0.000	2	1,600	3,424	0.000	0.000	3	5			6				6	-4	
	EKA	TUMOR RECORDS SECTION		1	1		0	0	0.025	0.000										1				1	0	
		WLF 1: AVG # OF OUTPATIENT VISITS																								
	BBD	OPHTHALMOLOGY	CLINIC VISIT	5	4	530	0.550	1,000		0.000	1	2,000	2,000	0.000	0.000	2	3			3				3	-2	
	BHC	OPTOMETRY	CLINIC VISIT	5	9	1,558	0.400	5,159		0.000	5	1,750	9,018	0.000	0.000	9	14			14				14	6	
	BEA	ORTHOPAEDIC CLINIC	CLINIC VISIT	5	8	86	0.617	3,345		0.000	4	1,300	4,348	0.000	0.000	4	8			8				8	-1	
	BEB	CAST CLINIC	CLINIC VISIT	4	4	342	1.000			0.000			2,359	0.000	0.000	2	2			2				2	-2	
	BEE	ORTHOTIC APPLIANCE LAB	CLINIC VISIT	1	0	0	1.000			0.000			0.000	0.000	0.000	0	0			0				0	-1	
	BEF	PODIATRY CLINIC	CLINIC VISIT	5	5	1,143	0.500	3,941		0.000	4	1,000	3,941	0.000	0.000	4	8			8				8	3	
	BLB	OCCUPATIONAL THERAPY CLINIC		1	1				0.000	0.000										1				1	1	
		WLF 1: CLINIC VISITS					0.2	0.566				1,000	3,673													
		WLF 2: NIMSE VISITS					239																			
	BLA	PHYSICAL THERAPY CLINIC	CLINIC VISIT	13	13	2,253	0.283	6,597		0.000			5,557	0.000	0.777	6	12			12				12	-1	
		WLF 1: NIMSE VISITS					594						0.000													
	BBF	OTOLARYNGOLOGY CLINIC	CLINIC VISIT	5	4	335	0.888	1,000		0.000	1	1,800	1,800	0.000	0.000	2	3			3				3	-2	
	BHD	AUDIOLOGY CLINIC	CLINIC VISIT	3	3	235	0.417			0.000		1,000	1,676	0.000	0.000	2	2			2				2	-1	
	BHDN	HEARING CONSERVATION	CLINIC VISIT	0	0	482	0.208			0.000			0.691	0.000	0.000	1	1			1				1	1	
	BBI	UROLOGY CLINIC	CLINIC VISIT	4	3	368	0.500	0,924		0.000	1	2,000	1,848	0.000	0.000	2	3			3				3	-1	
	BCC	CHIEF, OB/GYN SERVICE	PATTERN	1	1						1									1				1	0	
	BCB	GYNECOLOGY CLINIC	CLINIC VISIT	12	12	721	0.450	2,238		0.000	4	1,300	2,909			7	11			11				11	-1	
	BCC	OBSTETRICS CLINIC	CLINIC VISIT			435	0.450	1,350				1,300	1,755													
		TOTALS		89	81	11,311		30,320	0.026	0.669	26	44,959	0.000	0.777	49	79			79	0.000				83	-8	

DEPT OF SURGERY READINESS  
ORTHOPAEDIC - PROVIDER

YRLY	FTR
974	0.560

PART:

4

ANESTHESIOLOGY & OPERATIVE SVCS  
FT LEONARD WOOD MEDDAC

PARA (A)	MEPR (B)	FUNCTION (C)	WPKD FACTOR (D)	0298 REQ (E)	0298 AUTH (F)	WPKD O.R.S. (G)	REQS/IRM O.R.S. (H)	MPF REQ'S YIELD (G*H) (I)	ASAM		TOTAL MODEL REQ'S {K+L} (N)	REQ'S DELTA (O)	
									READI FTR ADD O.R.S. (J)	OUTSIDE MODEL LOCAL ADD (L)			
302/LN01	DFA	ANESTHESIOLOGY	#O.R.'S	1	1	1.850	6.034	11	0.000	1	0.000	1	0
302A/LN02-03	DFA	ANESTHESIA NURSING SERVICE	#O.R.'S	6	5				0.046	5	0.000	5	-1
465B/LN01-03	DE_	CSS (DEA) / CMS (DEB)	#O.R.'S	3	3	1.861	2.452	4.564	0.000	5	0.000	5	2
465/LN01-12	DFB	OPERATING ROOM NURSING SERVI	#O.R.'S	21	21	1.861	12.227	22.755	0.000	23	0.000	23	2
<b>TOTALS</b>				<b>31</b>	<b>30</b>			<b>38.482</b>	<b>0.046</b>	<b>34</b>	<b>0.000</b>	<b>34</b>	<b>3</b>

TDA RMKS

NOTE CODE DEFINED:

Anesthesia O.R. Worksheet MTF: FT LEONARD WOOD MEDDAC

PLEASE ENTER DATA IN BLOCKS TO LEFT OF INFORMATION REQUEST AND IN READINESS TABLE BELOW

- A.  - NUMBER OF OPERATING ROOMS ROUTINELY STAFFED.
- B.  - MONTHLY AVERAGE NUMBER OF SURGICAL CASES PERFORMED IN OPERATING ROOM.
- C.  - PERCENT SURGICAL CASES PERFORMED AFTER DUTY HOURS.
- D.  - DO YOU HAVE A SURGICAL RESIDENCY PROGRAM (Y/N)?
- E.  - MONTHLY AVERAGE NUMBER OF TOTAL DELIVERIES (L.D. REPORT FCK: DXXXK-MAC-SOPG).
- F.  - IS YOUR OPERATING ROOM A 24 HOUR OPERATION (Y/N)?
- G.  - NUMBER OF DAYS PER WEEK THAT AN ANESTHESIA RESOURCE IS ROUTINELY ASSIGNED TO SUPPORT A PAIN CLINIC.
- H.  - NUMBER OF DAYS PER WEEK THAT AN ANESTHESIA RESOURCE IS ROUTINELY ASSIGNED TO SUPPORT A PROCEDURES ROOM.
- I.  - DO YOU HAVE AN ANESTHESIA RESOURCE ASSIGNED IN THE LAD UNIT 24 HOURS PER DAY (Y/N)?
- J.  - MONTHLY AVERAGE NUMBER OF EPIDURAL OR OTHER TYPES OF ANESTHESIA PROCEDURES PROVIDED TO THE LAD UNIT UTILIZING ANESTHESIA RESOURCES.
- K.  - MONTHLY AVERAGE NUMBER OF PROCEDURES THAT A REGISTERED NURSE ASSISTIS IN THE LAD UNIT.
- L.  - NUMBER OF DAYS PER WEEK AN O.S. TECHNICIAN IS SUPPLIED TO A CLINICAL PROCEDURES ROOM (SUCH AS O.U. OR A SCOPE ROOM).
- M.  - MONTHLY AVERAGE NUMBER OF PROCEDURES AN O.R. TECHNICIAN ASSISTIS WITH IN THE LAD UNIT.

ENTER YEARLY READINESS HOURS:

Hour	CRMA	RN	PARA	CNS
0800	0.000	0.000	0.000	0.000
1100	0.000	0.000	0.000	0.000
1400	0.000	0.000	0.000	0.000
1700	0.000	0.000	0.000	0.000
2000	0.000	0.000	0.000	0.000

SUMMARY

1. CURRENT O.R. SUITE DATA:
  - 2.0 O.R. SUITES STAFFED
  - 180.0 TOTAL MONTHLY AVG CASES
  - 0.28 % OF AFTER-HOUR CASES (BASELINE % = 13)
  - 52.9 AFTER-HOUR MONTHLY AVG CASES
  - 135.4 M-F DAY MONTHLY AVG CASES
2. CURRENT O.R. SUITE (M-F DAY) CASE DATA:
  - 2.0 O.R. SUITES STAFFED
  - 25 HOURS PER CASE
  - 3.2 DAILY CASES PER ROOM
  - 67.7 MONTHLY CASES PER ROOM
  - 135.4 M-F DAY MONTHLY AVG CASES
3. PROJECTED GOALS:
  - 2.0 O.R. SUITES STAFFED (NO SURGICAL RESIDENCY = 2.0)
  - 23 HOURS PER CASE
  - 3.5 DAILY CASES PER ROOM
  - 72.7 MONTHLY CASES PER ROOM
  - 145.5 TOTAL MONTHLY (M-F DAY) CASES
4. DISPARITIES:
  - 0.07 BETWEEN CURRENT AND PROJECTED CASES
  - 10.1 ACTUAL CASE DIFFERENCE
  - 1.861 O.R. SUITES FOR CURRENT OUTPUT

DE - CENTRAL STERILE SUPPLY/CENTRAL MATERIAL SERVICE

BASIC STAFFING PROFILE:

- 1.800 PLANNING FACTOR PER ROOM
- BREAKOUT
- 0.300 SECTION ADMIN/SUPERVISION
- 0.300 CALL DUTY (EVENINGS/NIGHTS & WEEKENDS)
- 1.200 BASIC FUNCTION (CLEAN, CONTAMINATED, STERILE SUPPLY-CASE CART)

STAFF EARNED:

- 1.861 CURRENT OPERATING ROOM OUTPUT
- 3.564 WORKLOAD REGS
- 1.000 STAFFING PATTERN
- 0.004 RESOURCES
- 0.004 RESOURCES
- 4.864 TOTAL REGS

NOTE: WORKLOAD REGS FORMULA: (M O R \* PLANNING FACTOR) \* # OF DELIVERIES IN L.D. UNIT

STAFF EARNED	TOTAL
REGS	4.864
REGS	1.861
TOTAL	6.725

**ANIMAL STAFFING FOR:**  
 NORMAL 24HR  
 1000 SUPERVISION  
 1000 CLEAN STERILE CONTAMINATED SUPPLY CASE CART  
 2500 CLEAN STERILE CONTAMINATED SUPPLY CASE CART  
 1000 (EVENINGS/NIGHTS & WEEKENDS)  
 6000 TOTAL REGS

**DFA ANESTHESIA**

**ANESTHESIA STAFFING PROFILE:**  
 2.500 PLANNING FACTOR PER ROOM (PPFR)  
 PFFR BREAKOUT  
 1.000 CLERICAL OR STAFF  
 0.200 PREPOST PER OPERATIVE REQUIREMENTS  
 0.200 SECTION ADMIN/SUPERVISION  
 0.400 CALL DUTY (EVENINGS/NIGHTS & WEEKENDS)  
 0.100 ACUITY

**STAFF EARNED:**  
 1871 CURRENT OPERATING ROOM OUTPUT  
 136.4 CURRENT DAY CASE PRODUCTIVITY  
 4853 WORKLOAD REGS  
 1003 CLERK (cont'd)  
 0.460 ANESTHESIA TECHNICIANS  
 0.050 PAIN CLING - Doc  
 0.000 PROCEDURE ROOM  
 0.000 PROCEDURE ROOM  
 0.000 LAD (AS NEEDED)  
 11.163 ANESTHESIA REGS  
 0.658 READINESS  
 11.208 TOTAL REGS

NOTE: WORKLOAD REGS FORMULA: # O.R.s \* PLANNING FACTOR

STAFF EARNED			
ROOMS	ANES/CRNA	PARA	TOTAL
1.861	0.749	0.460	1.000
			11.208

NOTE: Anesthesiologist / CRNA recommended ratio of 1:4  
 Anesthesiologist CRNA

Enter Ratio here >>>>>> 1 to 4

**DFA OPERATING ROOM**

**RN - STAFFING PROFILE:**  
 2.700 RN PLANNING FACTOR PER ROOM (PPFR)  
 PFFR BREAKOUT  
 1.700 CLINICAL OR STAFF  
 0.200 PREPOST PER OPERATIVE REQUIREMENTS  
 0.200 SECTION ADMIN/SUPERVISION  
 0.400 CALL DUTY (EVENINGS/NIGHTS & WEEKENDS)  
 0.100 ACUITY

**RN STAFF EARNED:**  
 1.861 CURRENT OPERATING ROOM OUTPUT  
 136.4 CURRENT DAY CASE PRODUCTIVITY  
 5.025 WORKLOAD REG  
 1.000 NURSING AS NEEDED  
 0.000 OR REGS  
 0.000 READINESS  
 6.028 TOTAL RN REGS

NOTE: WORKLOAD REGS FORMULA: # O.R.s \* PLANNING FACTOR

**PARA - STAFFING PROFILE:**  
 6.155 PARA PLANNING FACTOR PER ROOM (PPFR)  
 PFFR BREAKOUT  
 1.650 SCRUB TECHNICIANS  
 0.250 SECTION NCOIC ADMIN/SUPERVISION  
 0.250 TRANSPORT PERSONNEL  
 0.250 SUPPLY & EQUIPMENT  
 0.200 ENDOSCOPIC/LAZER EQUIPMENT  
 0.200 LABEL ART  
 0.100 ACUITY

**PARA STAFF EARNED:**  
 1.861 CURRENT OPERATING ROOM OUTPUT  
 136.4 CURRENT DAY CASE PRODUCTIVITY  
 11.455 WORKLOAD REGS  
 0.000 CLERK (cont'd)  
 1.000 EVENINGS/NIGHTS (cont'd)  
 0.000 FTR OF TECH IN PROCEDURE ROOM  
 0.525 LAD TECH AS NEEDED (PROC X 0.02)  
 17.730 OR PARA REGS  
 0.000 READINESS  
 17.730 TOTAL PARAS

NOTE: WORKLOAD REGS FORMULA: # O.R.s \* PLANNING FACTOR

STAFF EARNED			
ROOMS	RN	PARA	TOTAL
1.861	5.025	17.730	27.755



PART: **6**

**NURSING OPERATIONS DIVISION**  
 FT LEONARD WOOD MEDDAC

PARA (A)	MEPR (B)	FUNCTION (C)	WPKD FACTOR (D)	0298 REQ (E)	0298 AUTH (F)	WPKD (G)	# PTS/DAY (H)	TOTAL MONTH NCH (I)	NCH PER PT (J)	NCH (K)	TOTAL NCH REQ YLD (L)	ASAM REQ'S			TOTAL MODEL REQ'S (N+O) (Q)	REQS DELTA (R)
												MINIMUM (L)	LOCAL (M)	OUTSIDE (N)		
45TLN01-03	EBD	C, NURSING OPERATIONS DIVISION	PATTERN	3	3		2.1	4,600	0.000	11,823	0.000	3	0.000	3	0	
460TLN01-02	EBD	CLINICAL NURSING SERVICE	PATTERN	2	0		6.8	1,425	0.000	11,737	0.000	0	0.000	0	-2	
460ALN01-09	DJA	COMBINED ICU WARD	0BD	11	11	65	2.1	4,600	0.000	11,823	0.000	12	0.000	12	1	
460CLN01-12	ACX	MTRNL & CHILD WARD	0BD	26	23	208	6.8	1,425	0.000	11,737	0.000	18	5,000	23	-3	
		LABOR AND DELIVERY UNIT	# PATIENTS			208	6.8	99	0.476	761.58	5,252					
		L&D OBSERVATION UNIT	# PATIENTS			154	5.1	0.773		0.821						
460DLN01-12	AAX	MEDICAL-SURGICAL WD	0BD	35	35	863	28.4	1,398	0.000	41,634	0.000	43	1,000	44	9	
		MED-SURG OBSERVATION UNIT	# PATIENTS			1	0.0	1,750		0.012						
4660FLN01-11	AFX	PSYCHIATRY WARD	0BD	17	16	380	12.5	1,301	0.000	18,241	0.000	18	0.000	18	1	
465DLN01-08	DFC	RECOVERY ROOM	# PATIENTS	8	8	1	0.0	3,500		1,000	0.000	1	6,000	7	-1	
465CLN01-2	DGE	SURGICAL PRE ADMIT SECTION	# PATIENTS	2	2	139	4.6	2,000		1,917	0.000	2	0.000	2	0	
<b>TOTALS</b>				<b>104</b>	<b>98</b>			<b>96,438</b>	<b>0.000</b>	<b>97</b>	<b>12,000</b>	<b>109</b>			<b>6</b>	

NURSING READINESS

YRLY	FTR
1350	0.776

TDA RMKS

1 NOTE CODE DEFINED: CONSOLIDATED POSTPARTUM/NURSERY

PART: 7

PLANS, EDUCATION, READINESS, TRNG, SECURITY  
FT LEONARD WOOD MEDDAC

PARA (A)	MEPR (B)	FUNCTION (C)	WKLD FACTOR (D)	0288 REQ (E)	0288 AUTH (F)	WKLD (G)	# PERSON REQUIRE (H)	TOTAL HOURS REQUIRE (I)	MPF (J)	WLF ERND (K)	READI FTR (L)	ASAM REQ		TOTAL MODEL REQ'S (M+N) (P)	NOTE CODE (O)	REQ'S DELTA (Q)		
												Combine (K+L)	OUTSIDE MODEL LOCAL ADD (N)					
760/LN01-06	EBC	CHIEF, PERTS	POSITIONAL	2	2		1	145			0.000	0.000	1			-1		
760/LN02-05	EBF	PERTS	POSITIONAL	7	6		4	580	4.029	4.724	0.000	0.000	8			1		
LN06A-08		WLF 1: # CME FILES				170	3	435	1.157	3.686								
		WLF 2: ACTIVE DUTY POPULATION				462												
760A/LN01-02	EBF	MEDICAL LIBRARY	POSITIONAL	2	1		1	145	#####	1.000	0.000	0.000	1			-1		
		WLF 1: # OF USERS																
TOTALS											11	9	9.410	0.000	10	0.000	10	-1

PERTS READINESS

YRLY	FTR
	0.000

TDA RMKS

NOTE CODE DEFINED:

PART: 3

BEHAVIOR MEDICINE DIVISION  
FT LEONARD WOOD MEDDAC

PARA (A)	MEPR (B)	FUNCTION (C)	WPKD (D)	REQ (E)	9288 (F)	WPKD (G)	MPF (H)	MPF YIELD (I)	PROV (J)	PROV (K)	PROV (L)	PROV (M)	PROV (N)	MPF SPT (O)	SPT (P)	DECENT (Q)	SPT (R)	REQ'S YL (S)	ASAM (T)	OUTSIDE (U)	TOTAL (V)
			WLFK (W)	REQ (X)	9288 (Y)	WPKD (Z)	MPF (AA)	MPF YIELD (AB)	PROV (AC)	PROV (AD)	PROV (AE)	PROV (AF)	PROV (AG)	MPF SPT (AH)	SPT (AI)	DECENT (AJ)	SPT (AK)	REQ'S YL (AL)	ASAM (AM)	OUTSIDE (AN)	TOTAL (AO)
EBD	CHIEF	BEHAVIOR MEDICINE DIVISION	PATTERN	3	3	0.933	1	0.933	1	0.933	1	0.933	1	0.933	1	2	2	0.933	2	0.933	2
DDB	EEG		# PROCEDU	1	0	10	4.089	0.282	0.000	0.000	0.000	0.000	0.000	0.282	0.000	0	0	0.000	0	0.000	0
DDC	EMG		# PROCEDU	6	0	28	1.202	0.232	0.000	0.000	0.000	0.000	0.000	0.232	0.000	0	0	0.000	0	0.000	0
BAK	NEUROLOGY SERVICE		CLINIC VISI	1	0	135	0.800	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0.000	0	0.000	0
BFA	PSYCHIATRY SERVICE		CLINIC VISI	10	10	1006	1.000	6.938	0.000	0.000	0.000	0.000	0.000	7.632	0.000	0.347	8	15	0.000	15	5
BFB	CLINICAL PSYCHOLOGY SERVICE		CLINIC VISI	2	2	177	1.000	1.221	0.000	0.000	0.000	0.000	0.000	1.100	0.000	0	2	0.000	2	0.000	2
BFD	C:COMMUNITY MENTAL HEALTH SER		CLINIC VISI	6	6	250	1.756	3.028	0.000	0.000	0.000	0.000	0.000	5.677	0.000	0	6	9	0.000	9	1
BFE	SOCIAL WORK SERVICES			3	3									0.000	0.000	0	3	7	0.000	7	3
BFEA	WLF 1: CLINIC VISITS			161	0	460	0.750	2.378	1.000	1.000	1.000	1.000	1.000	2.979	0.000	0	2	2	0.000	2	1
BFEA	WLF 2: AVG # OF MO COLLATERALS			175	0	175	1.500	0.138	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	4	4	0.000	4	2
BFEA	WLF 1: CLINIC VISITS			80	0	80	0.250	0.138	0.000	0.000	0.000	0.000	0.000	0.138	0.000	0	4	4	0.000	4	2
BFEA	WLF 2: AVG # OF MO COLLATERALS			112	3	112	1.835	0.000	0.000	0.000	0.000	0.000	0.000	3.771	0.000	0	4	4	0.000	4	2
BFF	SUBSTANCE ABUSE CLINIC		# CASES	4	3	112	1.835	0.000	0.000	0.000	0.000	0.000	0.000	3.771	0.000	0	4	4	0.000	4	2
TOTALS			CLINIC VISITS	37	34	572	14.966	0.000	0.933	13.000	0.933	13.000	0.933	23.299	0.000	0.347	25	42	4.000	42	9
			COLLATERALS			241															

YRLY	FTR
40	0.023
40	0.023

READINESS  
G. BMD READINESS  
G. CMHS READINESS

NOTE CODE DEFINED:  
CONTRACT RQMT  
INCLUDES 1 SPT REQ & 1 REQ FOR ADAPCP - ST LOUIS

TDA RMKS  
1  
2



PART: 10

PATHOLOGY DIVISION  
FT LEONARD WOOD MEDDAC

PARA (A)	MEPR (B)	FUNCTION (C)	WTKD FACTOR (D)	REQ (E)	AUTH (F)	WTKD (G)	# PERSON REQUIRE (H)	TOTAL HOURS REQUIRE (H*148) (I)	MPF (J)	WLF ERND (K)	READI FTR ADD (L)	ASAM REQ			TOTAL MODEL REQ'S (M+N) (P)	REQ'S DELTA (Q)
												Combined (M)	OUTSIDE MODEL LOCAL ADD (N)	NOTE CODE (O)		
	DBA	CLINICAL PATHOLOGY	WGTD PRO	31	30	31360	30	4350	0.171	36.897	0.000	0.000	37	6		
621/LN01-05		CHIEF, PATHOLOGY DIVISION		5	5											
624A/LN01-08		CLINICAL PATHOLOGY SERVICE		10	9											
624B/LN01-04		CHEMISTRY SECTION		5	5											
624C/LN01-04		HEMATOLOGY SECTION		4	4											
624E/LN01-04		MICROBIOLOGY SECTION		4	4											
215/LN12		PATHOLOGY CMTC		2	2											
625/LN01		CHIEF, PATHOLOGY DIVISION		1	1											
	DBB	ANATOMICAL PATHOLOGY	WGTD PRO	6	6	6293	6	870	0.180	7.812	0.000	0.000	8	2		
623/LN01-04		C, ANATOMICAL PATHOLOGY SECTION		4	4											
623A/LN01-02		CYTOLOGY SECTION		2	2											
624H/LN01-03	DBC	BLOOD BANK SECTION	WGTD PRO	4	4	1624	4	580	0.439	4.920	0.000	0.000	5	1		
624J/LN01-03	FAF	BLOOD DONOR SECTION(DNA)	WGTD PRO	3	3	5882	3	435	0.091	3.687	0.000	0.000	4	1		
		TOTALS		44	43		43			53.316	0.000	0.000	54	10		

YRLY	FTR
0	0.000

PATHOLOGY READINESS

NOTE CODE DEFINED:

TDA RMKS

PART: 11

PHARMACY DIVISION  
FT LEONARD WOOD MEDDAC

PARA (A)	MEPR (B)	FUNCTION (C)	WLKD FACTOR (D)	REQ (E)	AUTH (F)	WPKD (G)	# PERSON REQUIRE (H)	TOTAL HOURS REQUIRE (H*146) (I)	MPF (J)	WLF ERND (K)	READI FTR ADD (L)	ASAM REQ		NOTE CODE (O)	TOTAL MODEL REQ'S (M+N) (P)	REQ'S DELTA (Q)						
												Combined (M)	OUTSIDE MODEL LOCAL ADD (N)									
DAA	PHARMACY		WGTD PROC	37	35	50752			0.083	29	0.046	1	29	5.000	34	-3						
215/LN14/16		PHARMACY CHIEF		3	3																	
642/LN01-03		PHARMACY CMTG		2	2		2	290							2	0						
643A/LN01-04		AMB CARE PHARMACY SECTION		4	4																	
643B/LN01-03		STER PROD SECTION		4	4																	
645/LN01-08		UNIT DOSE SECTION		4	3																	
645B/LN01-02A		OUTPATIENT PHARMACY		12	11																	
646/LN01-02		REFILL PHARMACY SECTION		4	4																	
646/LN03		PHARMACY SPT SECTION-PRIME VENDOR		2	2																	
		LOGISTICS (PRIME VENDOR)	# OF LINE ITEM	2	2	123	1	145	1.179	1			1	0.000	1	-1						
<b>TOTALS</b>															<b>37</b>	<b>35</b>	<b>30.051</b>	<b>0.046</b>	<b>32.000</b>	<b>5.000</b>	<b>37</b>	<b>-4</b>

YRLY	FTR
80	0.046

PHARMACY READINESS

TDA RMKS

1 ADD RQMTS: (1) PEC (1) HLTH PROM (3) INTERVENTION

NOTE CODE DEFINED:

PART: 12

LOGISTICS DIVISION  
FT LEONARD WOOD MEDDAC

PARA (A)	MEPR (B)	WLFKD FACTOR (D)	REQ (E)	9288 (F)	9294 (G)	WLFKD (H)	PERSON REQUIRE (I)	HOURS REQUIRE (J)	MPF (K)	WLF ERND (L)	READI (M)	ASAM REQ (N)	OUTSIDE MODEL (O)	NOTE CODE (P)	TOTAL MODEL (Q)	REQ'S (R)	DELTA (S)
	EEA	POSITIONA	4	4	4	4	580			0.000	0.000	0.000	0.000		4	0	0
	EEA	POSITIONA	15	15	15	14	2050			0.000	0.000	0.000	0.000		15	0	0
	EEA	POSITIONA	4	4	4	4	580			0.000	0.000	0.000	0.000		4	0	0
	EEA	POSITIONA	3	3	3	2	280			0.000	0.000	0.000	0.000		3	1	1
	EEA	POSITIONA	4	4	4	1	145			0.000	0.000	0.000	0.000		2	-2	-2
	EEA	POSITIONA	7	7	7	5	725			0.000	0.000	0.000	0.000		6	-1	-1
	EEA	POSITIONA	8	8	8	8	1160			0.000	0.000	0.000	0.000		8	0	0
	EEA	POSITIONA	3	3	3	3	435			0.000	0.000	0.000	0.000		3	0	0
	EEA	POSITIONA	11	11	11	11	1585			0.000	0.000	0.000	0.000		11	0	0
	EBC	POSITIONA	1	1	1	1	145			0.000	0.000	0.000	0.000		2	1	1
	EBC	POSITIONA	2	2	2	2	280			0.000	0.000	0.000	0.000		2	-1	-1
	EBC	POSITIONA	4	4	4	2	280			0.000	0.000	0.000	0.000		2	-2	-2
	EEA	POSITIONA	2	2	2	2	280			0.000	0.000	0.000	0.000		2	0	0
	EFA	POSITIONA	42	42	42	42	6030			0.000	0.000	0.000	0.000		44	2	2
	EHA	POSITIONA	5	5	5	3	435			0.000	0.000	0.000	0.000		3	-2	-2
	FAC	POSITIONA	8	8	8	6	870			0.023	0.023	0.000	0.000		6	-2	-2
		TOTALS	123	123	123	114	114	83,000		0.023	0.023	1.000	1.000		117	-6	-6

YRLY	FTR
40	0.023

LOGISTICS READINESS  
OPTICAL LAB FAB

NOTE CODE DEFINED:  
1 TELE-MEDICINE REQUIREMENT

TDA RMKS

PART: 13

PATIENT ADMINISTRATION DIVISION  
FT LEONARD WOOD MEDDAC

PARA (A)	MEPR (B)	FUNCTION (C)	WILKO FACTOR (D)	REQ (E)	9218 (F)	WILKO AUTH (G)	PERSON REQUIRE (H)	TOTAL HOURS (I)	WLF ERND (J)	MPF (K)	WLF FTR (L)	ABAM REQ		TOTAL MODEL REQS (M)	REG'S DELTA (N)							
												Combined (M)	OUTSIDE (N)									
EJA		CHIEF, PATIENT ADMIN DIVISION	POSITIONA	1	1	1	1	435	0.000	0.000	0.000	13	0.000	3	0							
EJA		MEDICAL RECORDS ADMINISTRATOR		1	1	1	1	145	0.000	0.000	0.000	3	0.000	1	0							
EJA		INPATIENT MEDICAL RECORDS		1	1	1	1	725	85,909	5,000	0.000	7	0.000	7	0							
		WLF 1: # RECORDS MAINTAINED						290	26,364	2,000	0.000											
		WLF 2: ADS SHEETS (CODING/SCANNING)																				
EJA		MEDICAL TRANSCRIPTION	POSITIONA	1	1	1	1	435	0.000	0.000	0.000	7	0.000	7	0							
		WLF 1: AVG # OF TRANSCRIPTION REPORTS						580	#####	4,000	0.000											
		WLF 2: AVG # OF LINES TYPED						435	#####	3,000	0.000											
EBB		MEDICAL RECORDS QA SECTION	POSITIONA	1	1	1	1	145	1,000	0.000	0.000	1	0.000	1	0							
		WLF 1: AVG # OF REPORTS																				
EKA		OUTPATIENT MEDICAL RECORDS SECTION		15	15	15	15	145	1,000	0.000	0.000	15	0.000	16	0							
		WLF 1: AVG # OF OUTPATIENT VISITS						580	52,727	4,000	0.000											
		WLF 2: AVG # OF INDIVIDUALS ASSIGNED TO DRG						725	65,908	5,000	0.000											
		WLF 3: TOTAL # OF CROSSOVER POPULATION						725	65,909	5,000	0.000											
EJA		DRG SECTION		1	1	1	1	145	13,182	1,000	0.000	1	0.000	1	0							
		WLF 1: AVG # OF INOUTPATIENTS BILLED						145	13,182	1,000	0.000	1	0.000	1	0							
EJA		PATIENT ACCOUNTS		1	1	1	1	145	13,182	1,000	0.000	1	0.000	1	0							
		WLF 1: AVG # OF INOUTPATIENTS BILLED						145	13,182	1,000	0.000	1	0.000	1	0							
EJA		ADMISSIONS & DISPOSITIONS		11	11	11	11	580	52,727	4,000	0.000	11	0.000	11	0							
		WLF 1: AVG # OF ADMISSIONS						580	52,727	4,000	0.000											
		WLF 2: AVG # OF DISPOSITIONS						580	52,727	4,000	0.000											
		WLF 3: AVG # OF AIR EVACUATIONS						435	39,546	3,000	0.000											
EBC		HOSPITAL TREASURER		1	1	1	1	145	0.550	0.042	0.000	1	0.000	1	0							
		WLF 1: AVG # OF OCCUPIED BED DAYS						145	0.550	0.042	0.000	1	0.000	1	0							
EBC		MEDICAL SERVICE ACCOUNT SUBSECTION	POSITIONA	2	2	2	2	145	1,000	0.000	0.000	2	0.000	2	0							
		WLF 1: AVG # OF REPORTS						145	13,182	1,000	0.000	2	0.000	2	0							
EBH		THIRD PARTY COLLECTION		7	9	9	9	435	39,546	3,000	0.000	7	0.000	7	0							
		WLF 1: TOTAL # OF CLAIMS BILLED (INPT/OUTPT)						435	39,546	3,000	0.000	7	0.000	7	0							
		WLF 2: SJA COLLECTION WORKLOAD						580	52,727	4,000	0.000											
EJA		PATIENT AFFAIRS		2	2	2	2	145	13,182	1,000	0.000	2	0.000	2	0							
		WLF 1: AVG # OF HOSPITAL DISPOSITIONS						145	13,182	1,000	0.000	2	0.000	2	0							
		WLF 2: AVG # OF MONTHLY COLLECTIONS						145	13,182	1,000	0.000	2	0.000	2	0							
ELA		MEDICAL BOARDS		2	2	2	2	145	13,182	1,000	0.000	2	0.000	2	0							
		WLF 1: AVG # OF HOSPITAL DISPOSITIONS						145	13,182	1,000	0.000	2	0.000	2	0							
		WLF 2: AVG # OF MONTHLY COLLECTIONS						145	13,182	1,000	0.000	2	0.000	2	0							
<b>TOTALS</b>														<b>61</b>	<b>54</b>	<b>61</b>	<b>56,042</b>	<b>0.000</b>	<b>61</b>	<b>0.000</b>	<b>61</b>	<b>0</b>

YRLY	FTR
0	0.000

TDA RMKS \_\_\_\_\_ NOTE CODE DEFINED: \_\_\_\_\_

PAD READINESS

PART: 14

HUMAN RESOURCE DIVISION  
FT LEONARD WOOD MEDDAC

PARA (A)	MEPR (B)	FUNCTION (C)	WKLD FACTOR (D)	0298 REQ (E)	0298 AUTH (F)	WKLD (G)	# PERSON REQUIRE (H)	TOTAL HOURS REQUIRE (H*(48)) (I)	MPF (J)	WLF ERND (K)	READI FTR ADD (L)	ASAM REQ			NOTE CODE (O)	TOTAL MODEL REQ'S (M+N) (P)	REQ'S DELTA (Q)
												Combine (M)	OUTSIDE MODEL LOCAL ADD (N)	(Q)			
731LH01-4	EBC	CHIEF, HUMAN RESOURCE DIVISION	POSITIONA	4	4	4	4	580			0.000	0.000	4	0.000	4	0	
731ALH01-04	EBC	HOSPITAL COMPANY		4	4	10	4	580	58,000	4,000	0.000	0.000	4	0.000	4	0	
731HLH01-02	FED	MEDICAL HOLD DETACHMENT		2	2	10	2	290	29,000	2,000	0.000	0.000	2	0.000	2	0	
731LLH01-04	EBC	PERSONNEL ADMINISTRATION CENTER		7	6	10	6	870	87,000	6,000	0.023	0.000	6	0.000	6	-1	
		WLF 1: # OF MILITARY PERSONNEL SUPPORTED		17	16		16						16	0.000	16	-1	
<b>TOTALS</b>																	

YRLY	FTR
40	0.023

HRD READINESS  
HOSPITAL CO READINESS

TDA RMKS NOTE CODE DEFINED:

PART: 15

NUTRITION CARE DIVISION  
FT LEONARD WOOD MEDDAC

PARA (A)	MEPR (B)	FUNCTION (C)	WKL D FACTOR (D)	REQ (E)	AUTH (F)	WKL D (G)	# PERSON REQUIRE (H)	TOTAL HOURS REQUIRE (H*145) (I)	MPF (J)	WLF ERIND (K)	READI FTR ADD (L)	ASAM REQ			NOTE CODE (O)	TOTAL MODEL REQ'S (M+N) (P)	REQ'S DELTA (Q)					
												Combine (M)	OUTSIDE MODEL ADD (N)	LOCAL ADD (N)								
501:LN01-04	EIB	CHIEF, NUTRITION CARE	POSITIONAL	4	4		3	435			0.023	3	3		3	-1						
503E:LN01	EIA	PATIENT FOOD OPERATIONS	TOT PT MEAL	3	8	1762	9	1305	0.500	6.076	0.000	15	15		15	7						
		WLF 1: # PATIENT MEAL DAYS SERVED				143																
		WLF 2: # APV AND OTHER MEALS SERVED				0																
		WLF 3: INPATIENT CLINICAL NUTRITION MGMT				1619				8.628												
502E:LN01	BAL	OUTPATIENT NUTRITION CLINIC	CLINIC VISIT	1	0	124	1	145	0.700	0.599	0.000	1	1		1	0						
503:LN01-06	EIB	COMBINED FOOD OPERATIONS	TOTAL MEAL	25	23	218	23	3335	15.298	23.000	0.000	23	23		23	-2						
		WLF 1: # TOTAL MEAL DAYS SERVED				218																
		WLF 2: # APV AND OTHER MEALS SERVED				0																
503C:LN01	EIC	INPATIENT CLINICAL NUTRITION (FOR CALCULATION PURPOSES ONLY)		3	3							8.628	8.628		9	6						
		A: BASIC NUTRITION PROCEDURE																				
		a. DIETITIAN				86				0.250	0.148											
		b. TECHNICIAN				262				0.200	0.361											
		B: INTERMEDIATE NUTRITION PROCEDURE																				
		a. DIETITIAN				148				0.650	0.663											
		b. TECHNICIAN				2204				0.450	6.840											
		C: COMPLEX NUTRITION PROCEDURE																				
		a. DIETITIAN				57				1.300	0.611											
		b. TECHNICIAN				0				0.750	0.000											
		D: EXTENSIVE NUTRITION PROCEDURE																				
		a. DIETITIAN				6				2.500	0.103											
<b>TOTALS</b>															<b>41</b>	<b>38</b>	<b>46.930</b>	<b>0.023</b>	<b>51</b>	<b>0.000</b>	<b>51</b>	<b>10</b>

YRLY	FTR
40	0.023

NUTRITION CARE READINESS  
C, NUTRITION CARE

TDA RMKS NOTE CODE DEFINED:

PART: 16

RESOURCE MANAGEMENT DIVISION  
FT LEONARD WOOD MEDDAC

PARA (A)	MEPR (B)	FUNCTION (C)	WFLD FACTOR (D)	REQ (E)	AUTH (F)	WFLD (G)	PERSON REQUIRE (H)	HOURS REQUIRE (I)	MPF (J)	WLF ERND (K)	READI FTR ADD (L)	ASAM REQ			NOTE CODE (O)	TOTAL MODEL REQ'S (M+N)	REQ'S DELTA (P)	
												Combined (M)	Local (N)	Outside (O)				
750-LN01-03	EBC	CHIEF RESOURCE MANAGEMENT DIV	POSITIONAL	2	2		2	290			0.000	2	0.000		2	0		
752-LN01-03	EBC	MANPOWER	POSITIONAL	4	4		1	145			0.000	2	0.000		2	-2		
WLF 1: TOTAL # OF CROSSOVER POPULATION																		
754-LN01-04	EBC	MEPR/UCAPERS	POSITIONAL	4	4		2	290	0.217	1.233		4			4	0		
WLF 1: TOTAL # OF ALL PERSONNEL TYPES																		
755-LN01-04	EBC	BUDGET	POSITIONAL	4	4		2	290			0.000	5	0.000		5	1		
WLF 1: TOTAL # OF ALL PERSONNEL TYPES																		
WLF 2: CIV PAY - # OF TIME CARDS																		
101/LN05	EBA	NURSE METHOD ANALYST	POSITIONAL	0	0		1	145			0.000	1	0.000		1	1		
TOTALS																		
											14	14	6.343	0.000	14	0.000	14	0

TDA RMKS 1 NOTE CODE DEFINED: EFF 1 OCT RMD & MANAGED CARE DIV COMBINE

NOTE: Worksheet utilized for RMD and IMD. Enter data below.

MTE Assigned Personnel Worksheet:	
Military Assigned (Sgt, Resid, Stu, AF&Navy):	384
Civilians Assigned (Time Sheets):	440
Contract:	
Red Cross Volunteers:	
Civilian Students:	
BMM/Reserves:	
Summer Students (times 25):	
<b>TOTAL FTEs:</b>	<b>824</b>

PART: 17

AUTOMATION MANAGEMENT DIVISION  
FT LEONARD WOOD MEDDAC

PARA (A)	MEPR (B)	FUNCTION (C)	WKLD FACTOR (D)	0298 REQ (E)	0298 AUTH (F)	WKLD (G)	# PERSON REQUIRE (H)	TOTAL HOURS REQUIRE (H*145) (I)	MPF (J)	WLF ERND (K)	READI FTR ADD (L)	ASAM REQ			NOTE CODE (O)	TOTAL MODEL REQ'S (M+N) (P)	REQ'S DELTA (Q)
												Combined (M)	LOCAL (N)	ADD (O)			
771LN01-02	EBC	SYSTEMS SUPPORT	POSITIONA	2	2		2	290			0.000		2	1,000	1	3	1
774LN01-04	EBC	COMPUTER OPNS BR		5	5	824	5	725	1,087	6,177	0.000	5	0.000		5	0	0
775LN01-06	EBC	CUSTOMER SUPPORT		6	6	824	6	870	0.435	2,472	0.000	6	0.000		6	0	0
	EBC	CHCS				824	1	145	0.225	1,279	0.000	1	2,000		3	3	3
		TOTALS		13	13		14			9,928	0.000	14	3,000		17	4	4

YRLY	FTR
0	0.000

TDA RMKS

- 1
- 2

NOTE CODE DEFINED:

- (1) CONTRACT NETWORK SPECIALIST
- (2) CONTRACT CHCS/1 ASSIGNED CHCS FACL

NOTE: Worksheet utilized for RMD and IMD. Enter data in RMD.

MTF Assigned Personnel Worksheet:	824
Military Assigned (Str, Resid, Stu, AF&Navy):	384
Civilians Assigned (Time Sheets):	440
Contract:	0
Read Cross Volunteers:	0
Civilian Students:	0
BMM/Reserves:	0
Summer Students (times. 25):	0
TOTAL FTEs:	824

PART: 18

MANAGED CARE DIVISION  
FT LEONARD WOOD MEDDAC

PARA (A)	MEPR (B)	FUNCTION (C)	WKL D FACTOR (D)	0288 REQ (E)	0288 AUTH (F)	WKL D (G)	PERSON REQUIRE (H)	TOTAL HOURS REQUIRE (I)	MPF (J)	WLF ERND (K)	READI FTR ADD (L)	ASAM REQ			TOTAL MODEL REQ'S (M+N)	REQ'S DELTA (Q)
												Combined (M)	LOCAL (N)	OUTSIDE (O)		
440/LN01	ELA	CHIEF, MANAGED CARE DIVISION	POSITIONA	1	1		1	145			0.000	0.000	0.000	1	0	
441/LN01-06	ELA	INT CUSTOMER SUPPORT OFFICE		5	4		2	290			0.000	0.000	0.000	2	-3	
442/LN01-02	ELA	CASE MANAGEMENT OFFICE	POSITIONA	2	2		4	580			0.000	0.000	0.000	4	2	
AVG # OF NEW CASES 171																
443/LN01	ELA	CONTRACTING OFFICE		1	1		2	290			0.000	0.000	0.000	2	1	
445/LN01-03	ELA	MEDICAL CLAIMS SECTION		10	0		10	1450			0.000	0.000	0.000	10	0	
TOTALS											4.000	0.000	0.000	19	0	

YRLY	FTR
0	0.000

MANAGED CARE READINESS - NA

TDA RMKS

- 1 NOTE CODE DEFINED:  
EFFECTIVE 1 OCT FY 98 MGT CARE AND RM WILL MERGE.
- 2 HEALTH ADVISOR MOVED TO CSD
- 3 TENTATIVE CONTRACT

PART: 19

PREVENTIVE MEDICINE DIVISION  
FT LEONARD WOOD MEDDAC

PARA (A)	MEPR (B)	FUNCTION (C)	WKLD FACTOR (D)	REQ (E)	AUTH (F)	WRKLD (G)	# PERSON REQUIRE (H)	TOTAL HOURS REQUIRE (H*145) (I)	MPF (J)	WLF ERND (K)	READI FTR ADD (L)	ASAM REQ			TOTAL MODEL REQ'S (M+N) (P)	REQ'S DELTA (Q)			
												Combine (M)	OUTSIDE MODEL ADD (N)	NOTE CODE (O)					
911:LN01-3	FBB	CHIEF, PREVENTIVE MEDICINE SERVICE	POSITIONAL	3	3		3	435			0.000	0.000	3	0.000	3	0			
911B:LN01-02	FBD	RAD PROT OFC	POSITIONAL	2	2		2	290			0.000	0.000	2	0.000	2	0			
912:LN01-04	BHF	COMMUNITY HEALTH NURSING	PT VISITS	6	6	192	6	870	4.531	6.000	0.000	0.000	6	0.000	6	0			
912A:LN01-04	FBB	HEALTH PROMOTION CENTER	PT VISITS	6	6	1	6	870	#####	6.000	0.000	0.000	6	0.000	6	0			
913:01-07	FBE	ENVIRONMENTAL HEALTH SECTION	POSITIONAL	10	7		7	1015			0.000	0.000	7	0.000	7	-3			
		WLF 1: # OF INSPECTIONS				421			0.110	0.319									
		WLF 2: # OF EH EDUCATION ACTIONS																	
		WLF 3: AVG # OF ANALYSIS																	
914:LN01	FBF	EPIDEMIOLOGY & DISEASE	POSITIONAL	1	1		1	145			0.000	0.000	1	0.000	1	0			
		WLF 1: AVG # OF CLIN PROC AND EDUC CLASSES							0.551	0.004									
915:LN01-05	BHG	OCCUPATIONAL MEDICAL SECTION	POSITIONAL	7	4		4	580			0.000	0.000	4	0.000	4	-3			
		WLF 1: AVG # OF PATIENT VISITS				421			0.250	0.726									
916:LN01-03	FBC	INDUSTRIAL HYGIENE SECTION		4	3		3	435			0.000	0.000	3	0.000	3	-1			
		WLF 1: AVG # OF SAMPLESERVICE				1			0.551	0.004									
<b>TOTALS</b>												<b>39</b>	<b>32</b>	<b>32</b>	<b>0.000</b>	<b>32</b>	<b>0.000</b>	<b>32</b>	<b>-7</b>

PREVENTIVE MEDICINE READINESS

YRLY	FTR
0	0.000

TDA RMKS

1 HEARING CONSERVATION CONDUCTED IN SURGERY DIVISION.

NOTE CODE DEFINED:

## **APPENDIX B**

PART: 3

**SURGERY DIVISION**  
FT. LEONARD WOOD MEDDAC

**RECOMMENDED FTR BREAKOUT BY CATEGORY**

PARA (A)	MEPR (B)	FUNCTION (C)	% (CAT 1) (L-%) (D)	PROV % (CAT 2) (L-%) (E)	DIRECT CARE PROV (L-%) (E)	% (CAT 3) (P-%) (F)	NURSE % (CAT 4) (P-%) (G)	DIRECT CARE P/PROF (P-%) (G)	% (CAT 5) (P-%) (H)	CLINIC/ADMIN SUPPORT (P-%) (H)	TOTAL EARNED PROV (D+E) (I)	TOTAL EARNED SPT (F+G+H) (J)	TOTAL EARNED FTR'S (I+J) (K)
301/LN01-03	EBD	CHIEF, DEPARTMENT OF SURGERY	1.00	3.000	0.00	0.000	0.00	0.000	1.00	0.000	3	0	3
304/LN01-08	BBA	GENERAL SURGERY CLINIC	0.75	1.500	0.25	0.500	0.00	0.000	0.67	2.010	2	3	5
306/LN01-05	BBD	OPHTHALMOLOGY	0.00	0.000	1.00	1.000	0.00	0.000	0.64	1.280	1	2	3
307/LN01-08	BHC	OPTOMETRY	0.00	0.000	1.00	5.000	0.00	0.000	0.64	5.760	5	9	14
308/LN01-09	BEA	ORTHOAEDIC CLINIC	0.73	2.920	0.27	1.080	0.00	0.000	0.61	2.440	4	4	8
308A/LN01-03	BEB	CAST CLINIC	0.00	0.000	0.93	1.860	0.00	0.000	0.93	0.140	0	2	2
308B/LN01	BEE	ORTHOTIC APPLIANCE LAB	0.00	0.000	0.79	0.000	0.00	0.000	0.21	0.000	0	0	0
308F/LN01-05	BEF	PODIATRY CLINIC	0.00	0.000	0.64	2.560	0.00	0.000	0.36	1.440	0	4	4
309/LN01-03	BLB	OCCUPATIONAL THERAPY CLINIC	0.00	0.000	0.00	0.000	0.00	0.000	1.00	4.000	0	4	4
310/LN01-011	BLA	PHYSICAL THERAPY CLINIC	0.00	0.000	0.00	0.000	0.00	0.000	1.00	6.000	0	6	6
311/LN01-04	BBF	OTOLARYNGOLOGY CLINIC	0.93	0.930	0.07	0.070	0.00	0.000	0.83	1.660	1	2	3
311A/LN01-03	BHD	AUDIOLOGY CLINIC	0.00	0.000	1.00	0.000	0.00	0.000	0.40	0.800	0	2	2
	BHDN	HEARING CONSERVATION	0.00	0.000	1.00	0.000	0.00	0.000	0.40	0.400	0	1	1
313/LN01-04	BBI	UROLOGY CLINIC	0.93	0.930	0.07	0.070	0.00	0.000	0.83	1.660	1	2	3
514/LN01	BCC	CHIEF, OB/GYN SERVICE	1.00	1.000	0.00	0.000	0.00	0.000	0.00	0.000	1	0	1
514/LN02-10	BCB	GYNECOLOGY CLINIC	0.70	2.800	0.30	1.200	0.09	0.630	0.61	4.270	4	7	11
514	BCC	OBSTETRICS CLINIC											
<b>TOTALS</b>				<b>13.080</b>		<b>8.920</b>		<b>0.630</b>		<b>22.670</b>		<b>48</b>	<b>70</b>

NOTES:

PART:

4

**ANESTHESIOLOGY & OPERATIVE SVCS**

FT LEONARD WOOD MEDDAC

**RECOMMENDED FTR BREAKOUT BY CATEGORY**

CLINIC/  
ADMIN

PARA (AA)	MEPR (AB)	FUNCTION (AC)	% (CAT 1)	PROV O.R.S. (K%) (AD)	% (CAT 2)	DCP O.R.S. (K%) (AE)	% (CAT 3)	NURSE (K%) (AF)	% (CAT 4)	DCPP O.R.S. (K%) (AG)	% (CAT 4)	SUPPORT O.R.S. (K%) (AH)	TOTAL EARNED FTR'S (AI)
302/LN01	DFA	ANESTHESIOLOGY	1.950							0.460		1.000	3
302A/LN02-03	DFA	ANESTHESIA NURSING SERVICE				8							8
465B/LN01-03	DE_	CSS (DEA) / CMS (DEB)	0.00	0.000	0.00	0.000	0.10	0.500	0.75	3.750	0.15	0.750	5
465/LN01-12	DFB	OPERATING ROOM NURSING SERV	0.00	0.000	0.00	0.000	0.43	9.890	0.55	12.650	0.02	0.460	23
<b>TOTALS</b>			<b>1.950</b>			<b>7.799</b>		<b>10.390</b>		<b>16.860</b>		<b>2.210</b>	<b>39</b>

4 PROVIDER REQS MAY BE CHANGED TO SUPPORT REQS ( 1 FOR 1), BUT NOT VICE VERSA.

**PART: 5**

**PRIMARY CARE & COMMUNITY MEDICINE**

FT LEONARD WOOD MEDDAC

**RECOMMENDED FTR BREAKOUT BY CATEGORY**

PARA (A)	MEPR (B)	FUNCTION (C)	DIRECT CARE					DIRECT CARE P/PROF (P**%) (CAT 4)			CLINIC/ADMIN SUPPORT (P**%) (H)	TOTAL EARNED PROV (D+E) (I)	TOTAL EARNED SPT (F+G+H) (J)	TOTAL EARNED FTR'S (I+J) (K)	
			% (CAT 1) (L**%) (D)	PROV (L**%) (D)	% (CAT 2) (L**%) (E)	% (CAT 3) (P**%) (F)	NURSE (P**%) (F)	% (CAT 4) (P**%) (G)	P/PROF (P**%) (G)	% (CAT 5) (P**%) (H)					
201/LN01-03	EBD	CHIEF, PCCM	1.00	1.000	0.00	0.000	0.00	0.000	0.00	1.00	3.000	1	3	4	
202/LN01-04	BAB	ALLERGY AND IMMUNOLOGY CLINIC	1.00	1.000	0.00	0.000	0.00	0.000	0.90	1.800	0.10	0.200	1	2	3
202A/LN01-04	FBI	IMMUNIZATION CLINIC	0.00	0.000	1.00	0.000	0.00	0.000	0.69	1.380	0.31	0.620	0	2	2
204/LN01-03	BAP	DERMATOLOGY SERVICE	1.00	1.000	0.00	0.000	0.00	0.000	0.00	1.000	1.00	1	1	2	
205/LN01-09	BDA	GENERAL PEDIATRIC SERVICE	1.00	3.000	0.00	0.000	0.11	0.440	0.40	1.600	0.49	1.960	3	4	7
205A/LN01-03	BDAB	EFMP	1.00	1.000	0.00	0.000	0.11	0.110	0.40	0.400	0.49	0.490	1	1	2
	BDCA	WELL BABY CLINIC	1.00	1.000	0.00	0.000	0.11	0.110	0.40	0.400	0.49	0.490	1	1	2
209A/LN01-12	BAA	INTERNAL MEDICINE SERVICE	0.73	5.110	0.27	1.690	0.19	1.900	0.48	4.800	0.33	3.300	7	10	17
211A/LN01-04	DHA	RESPIRATORY THERAPY SECTION													
211A/LN05/08	DDA	EKG													
212/LN01-14	BGA	FAMILY PRACTICE SERVICE	0.00	0.000	1.00	14.000	0.00	0.000	0.80	24.000	0.20	6.000	14	30	44
		PHASE II PA PROGRAM	0.00	0.000	1.00	1.000	0.00	0.000	0.80	0.000	0.20	0.000	1	0	1
214/LN01	BIA	EMERGENCY ROOM	0.91	10.920	0.09	1.080	0.00	0.000	0.60	20.400	0.40	13.600	12	34	46
214B/LN01-06	FEA	AMBULANCE SERVICE	0.91	0.000	0.09	0.000	0.00	0.000	0.60	12.600	0.40	8.400	0	21	21
215/LN01	BHAM	CONSOLIDATED TMC	0.00	0.000	1.00	1.000	0.00	0.000	0.00	0.000	1.00	0.000	1	0	1
215/LN09/24	BHB	MEDICAL EXAM	1.00	1.276	0.00	0.000	0.00	0.000	0.00	0.000	1.00	1.000	1	1	2
215A/LN01-06	FBIB	IMMUNIZATIONS TM	0.00	0.000	1.00	0.000	0.00	0.000	0.69	7.590	0.31	3.410	0	11	11
215C	BHAB	HOSPITAL ACUTE MINOR ILLNESS(A)	0.00	0.000	1.00	2.000	0.00	0.000	0.66	3.300	0.34	1.700	2	5	7
<b>TOTALS</b>				<b>25.306</b>		<b>20.970</b>		<b>2.620</b>		<b>87.090</b>		<b>46</b>	<b>136</b>	<b>181</b>	

**NOTES:**

- 1 PERCENTAGES OF CATEGORIES MAY BE ADJUSTED.
- 2 CAT 1 & 2 MUST = 100% OF PROV REQS YIELD (COL J)
- 3 CAT 3, 4, & 5 MUST = 100% OF SPT REQS YIELD (COL N)

PART: 6

**NURSING OPERATIONS DIVISION**

FT LEONARD WOOD MEDDAC

**RECOMMENDED FTR BREAKOUT BY CATEGORY**

PARA (A)	MEPR (B)	FUNCTION (C)	% (CAT 3)	NURSE (N%) (D)	% (CAT 4)	DIR CARE P/PROF (N%) (E)	% (CAT 5)	CLN/ADM SUPPORT (N%) (F)	TOTAL EARNED FTR'S (D+E+F) (G)
451/LN01-03	EBD	C, NURSING OPERATIONS DIVISION	0.65	1,950	0.32	0.960	0.03	0.090	3
460/LN01-02	EBD	CLINICAL NURSING SERVICE	0.65	0,000	0.32	0,000	0.03	0,000	0
460A/LN01-09	DJA	COMBINED ICU WARD	0.65	7,800	0.32	3,840	0.03	0,360	12
460C/LN01-12	ACX	MTRNL & CHILD WARD	0.65	11,700	0.32	5,760	0.03	0,540	18
460D/LN01-12	AAX	MEDICAL-SURGICAL WD	0.40	17,200	0.57	24,510	0.03	1,290	43
4660F/LN01-11	AFX	PSYCHIATRY WARD	0.65	11,700	0.32	5,760	0.03	0,540	18
465D/LN01-08	DFC	RECOVERY ROOM	0.50	0,500	0.47	0,470	0.03	0,030	1
465C/LN01-2	DGE	SURGICAL PRE ADMIT SECTION	0.30	0,600	0.30	0,600	0.40	0,800	2
<b>TOTALS</b>									<b>97</b>
									<b>51,450</b>
									<b>41,900</b>
									<b>3,650</b>

**NOTES:**

1 PERCENTAGES OF CATEGORIES MAY BE ADJUSTED.

8

PART:

**BEHAVIOR MEDICINE DIVISION**  
FT LEONARD WOOD MEDDAC

**RECOMMENDED FTR BREAKOUT BY CATEGORY**

PARA (A)	MEPR (B)	FUNCTION (C)	DIR CARE					DIRECT CARE			CLINIC/ADMIN SUPPORT (H)	TOTAL EARNED PROV (D+E)	TOTAL EARNED SPT (F+G+H)	TOTAL EARNED FTRS (I+J)
			% (CAT 1) (L%) (D)	% (CAT 2) (L%) (E)	% (CAT 3) (P%) (F)	% (CAT 4) (P%) (G)	% (CAT 5) (P%) (H)	PROV (L%) (D)	P/PROF (P%) (G)	% (CAT 4)				
351/LN01-03	EBD	CHIEF, BEHAVIOR MEDICINE DIVISIO	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1	1	2
352/C01	DDB	EEG												
	DDC	EMG												
353/C01	BAK	NEUROLOGY SERVICE	0.75	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
354/LN01-08	BFB	PSYCHOLOGY CLINIC	0.00	0.00	1.00	7.00	0.05	0.40	0.76	6.080	0.19	7	8	15
355/LN01-02	BFF	SUBSTANCE ABUSE CLINIC	0.00	0.00	1.00	1.00	0.00	0.00	0.81	0.810	0.19	1	1	2
356/LN01-06	BFB	PSYCHOLOGY CLINIC	0.00	0.00	1.00	3.00	0.05	0.30	0.76	4.560	0.19	3	6	9
357/LN01-7	BFE	SOCIAL WORK SERVICES	0.00	0.00	0.65	1.00	0.00	0.00	0.25	0.750	0.10	2	1	3
	BFEB	FAMILY ADVOCACY PROGRAM	0.00	0.00	0.65	1.00	0.00	0.00	0.25	0.500	0.10	1	1	2
358/LN01-04	BFF	SUBSTANCE ABUSE CLINIC	0.28	0.00	0.72	0.00	0.05	0.20	0.63	2.520	0.32	4		
<b>TOTALS</b>			<b>1.750</b>	<b>14.500</b>	<b>0.900</b>	<b>15.220</b>	<b>5.630</b>	<b>20</b>	<b>18</b>	<b>34</b>				

**NOTES:**

- 1 PERCENTAGES OF CATEGORIES MAY BE ADJUSTED.
- 2 CAT 1 & 2 MUST = 100% OF PROV REQS YIELD (COL J)
- 3 CAT 3, 4, & 5 MUST = 100% OF SPT REQS YIELD (COL N)
- 4 PROVIDER REQS MAY BE CHANGED TO SUPPORT REQS ( 1 FOR 1), BUT NOT VICE VERSA.

PART: 9

RADIOLOGY DIVISION  
FT LEONARD WOOD MEDDAC

RECOMMENDED FTR BREAKOUT BY CATEGORY

PARA (A)	MEPR (B)	FUNCTION (C)	DIRECT CARE			DIRECT CARE			NURSE (M%) (F)	% (CAT 4)	DIRECT CARE PI/PROF (M%) (G)	CLINIC/ ADMIN SUPPORT (M%) (H)	TOTAL EARNED FTR'S (D+.+H) (I)
			% (CAT 1) (M%) (D)	PROV (M%) (E)	% (CAT 2) (M%) (E)	PROV (M%) (E)	% (CAT 3) (M%) (F)	% (CAT 4)					
		DCA DIAGNOSTIC RADIOLOGY	0.20	7.000	0.00	0.000	0.02	0.700	0.63	22.050	0.15	35	
605/LN01-0	DIA	NUCLEAR MEDICINE SERVICE	0.20	0.600	0.00	0.000	0.02	0.060	0.63	1.890	0.15	3	
TOTALS				7.000		0.020		1.330		22.200	40.250	38	

NOTES:

- 1 PERCENTAGES OF CATEGORIES MAY BE ADJUSTED.
- 2 CAT 1 - 5 MUST = 100% REQS YIELD (COL M)
- 3 PROVIDER REQS MAY BE CHANGED TO SUPPORT REQS ( 1 FOR 1), BUT NOT VICE VERSA.

PART:

10

PATHOLOGY DIVISION  
FT LEONARD WOOD MEDDAC

RECOMMENDED FTR BREAKOUT BY CATEGORY

PARA (A)	MEPR (B)	FUNCTION (C)	DIRECT CARE					DIRECT CARE		CLINIC/ ADMIN SUPPORT (M%) (H)	TOTAL EARNED FTR'S (I)		
			% (CAT 1) (M%)	PROV (D)	% (CAT 2) (M%)	% (CAT 3) (M%)	NURSE (F)	% (CAT 4) (M%)	PIPROF (G)			% (CAT 5) (M%)	
	DBA	CLINICAL PATHOLOGY	0.10	3,700	0.00	0.00	0.00	0.00	0.85	31,450	0.05	1,850	37
	DBB	ANATOMICAL PATHOLOGY	0.15	1,200	0.00	0.00	0.00	0.65	5,200	0.20	1,600	8	
624H/ILN01-03	DBC	BLOOD BANK SECTION	0.00	0.000	0.00	0.00	0.00	0.85	4,250	0.15	0,750	5	
624J/ILN01-03	FAF	BLOOD DONOR SECTION(DNA)	0.00	0.000	0.00	0.00	0.00	0.85	3,400	0.15	0,600	4	
<b>TOTALS</b>				<b>4,900</b>		<b>0.000</b>		<b>0.000</b>	<b>44,300</b>		<b>4,800</b>	<b>54</b>	

**NOTES:**

- 1 PERCENTAGES OF CATEGORIES MAY BE ADJUSTED.
- 2 CAT 1 - 5 MUST = 100% REQS YIELD (COL M)
- 3 PROVIDER REQS MAY BE CHANGED TO SUPPORT REQS ( 1 FOR 1), BUT NOT VICE VERSA.

PART:

11

PHARMACY DIVISION  
FT LEONARD WOOD MEDDAC

RECOMMENDED FTR BREAKOUT BY CATEGORY

PARA (A)	MEPR (B)	FUNCTION (C)	DIRECT CARE					NURSE (M%) (F)	% (CAT 4)	DIRECT CARE P/PROF (M%) (G)	CLINIC/ ADMIN SUPPORT (M%) (H)	TOTAL EARNED FTR'S (I)	
			% (CAT 1) (M%) (D)	PROV (M%) (D)	% (CAT 2)	PROV (M%) (E)	% (CAT 3)						
	DAA	PHARMACY	0.00	0.000	0.40	11.600	0.00	0.000	0.55	15.950	0.05	1.450	29
215/LN14/18		PHARMACY CMTC	0.00	0.000	0.40	0.800	0.00	0.000	0.55	1.100	0.05	0.100	2
646/LN03		LOGISTICS (PRIME VENDOR)	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	1.00	1.000	1
<b>TOTALS</b>			<b>0.00</b>	<b>0.000</b>	<b>12.400</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>17.050</b>	<b>2.560</b>	<b>32</b>		

NOTES:

- 1 PERCENTAGES OF CATEGORIES MAY BE ADJUSTED.
- 2 CAT 1 - 5 MUST = 100% REQS YIELD (COL M)

## **APPENDIX C**

**WORKLOAD REPORTING PERIOD:**  
**FY97(JUL-SEP)-FY98(OCT-JUN)**

**PART: 1**  
**REQUIREMENTS SUMMARY**  
**FT LEONARD WOOD MEDDAC**

MODEL PART/PAGE (A)	FUNCTION (B)	REQ (C)	0298 AUTH (D)	0298 REQ'S ADDITIVE (E)	ASAM REQ'S YIELD (F)	OUTSIDE MODEL ADDITIVE (G)	TOTAL MODEL REQ'S (H)	REQ'S DELTA (I)
2	COMMAND SECTION & SPECIAL STAFF	36	28	0.230	27	0	27	-9
3	SURGERY DIVISION	89	81	0.559	79	0	83	-6
4	ANESTHESIOLOGY & OPERATIVE SVCS	31	30	0.046	34	0	34	3
5	PRIMARY CARE & COMMUNITY MEDICINE	203	186	1.544	214	5	219	16
6	NURSING OPERATIONS DIVISION	104	98	0.000	97	12	109	5
7	PLANS, EDUCATION, READINESS, TRNG, SECURITY	11	9	0.000	10	0	10	-1
8	BEHAVIOR MEDICINE DIVISION	37	34	0.000	42	4	46	9
9	RADIOLOGY DIVISION	37	35	0.000	38	0	38	1
10	PATHOLOGY DIVISION	44	43	0.000	54	0	54	10
11	PHARMACY DIVISION	37	35	0.046	32	5	37	0
12	LOGISTICS DIVISION	123	76	0.023	116	1	117	-6
13	PATIENT ADMINISTRATION DIVISION	61	54	0.000	61	0	61	0
14	HUMAN RESOURCE DIVISION	17	16	0.023	16	0	16	-1
15	NUTRITION CARE DIVISION	41	38	0.023	51	0	51	10
16	RESOURCE MANAGEMENT DIVISION	14	14	0.000	14	0	14	0
17	AUTOMATION MANAGEMENT DIVISION	13	13	0.000	14	3	17	4
18	MANAGED CARE DIVISION	19	8	0.000	19	0	19	0
19	PREVENTIVE MEDICINE DIVISION	39	32	0.000	32	0	32	-7
<b>TOTALS</b>		<b>956</b>	<b>830</b>	<b>2.494</b>	<b>950</b>	<b>30</b>	<b>984</b>	<b>28</b>
<b>SHADOW FORCE (NON-ADD) TOTALS</b>		<b>45</b>	<b>0</b>					
<b>UIC MCW1MLAA TOTALS</b>		<b>911</b>	<b>830</b>					

0298 TDA	ASAM
	<b>-2.9%</b>
<b>374</b>	<b>288</b>
<b>39.1%</b>	<b>29.3%</b>

(NON-MEDICAL = PARTS 2,7,12-19)