



***Air Force Operational Medicine:
Using the Enterprise Estimating Supplies
Program to Develop Materiel Solutions for the
Medical Neurosurgical Team (FFNEU)***

Ralph Nix
Curtis Hopkins
Vern Wing



Naval Health Research Center

Document No. 11-3C

The views expressed in this article are those of the authors and do not necessarily reflect the official policy or position of the Department of the Navy, Department of Defense, nor the U.S. Government. Approved for public release; distribution is unlimited.

***Naval Health Research Center
140 Sylvester Rd.
San Diego, California 92106-3521***

**Air Force Operational Medicine: Using the Enterprise Estimating Supplies Program to
Develop Materiel Solutions for the Medical Neurosurgical Team (FFNEU)**



Ralph Nix
Curt Hopkins
Vern Wing

Naval Health Research Center
140 Sylvester Rd.
San Diego, CA 92106-3521



Report No. 11-3C, supported by the U.S. Air Force Medical Logistics Agency, under Work Unit No 60334. The views expressed in this article are those of the authors and do not reflect the official policy or position of the Navy, Department of Defense, or the U.S. Government. Approved for public release; distribution is unlimited. This research has been conducted in compliance with all applicable federal regulations governing the protection of human subjects. No human subjects were directly involved in this research.

Executive Summary

The Naval Health Research Center (NHRC) has used its modeling and simulation (M&S) expertise to develop and update conventional U.S. Air Force medical assets since 2004. Air Force medical modeling capabilities currently capture care and treatment of the sick and injured from the first responder through theater hospitalization.

The objective of this study was to leverage medical M&S advantages to provide recommendations for allowance standard (AS) configurations based on the Air Force Medical Neurosurgical Team (FFNEU) operational and clinical requirements. NHRC analysts reviewed the FFNEU, analyzed clinical requirements with subject matter experts, and used M&S tools to develop the operationally based and patient-driven recommended 917D line list.

The Unit Type Code (UTC) capabilities, operational requirements, and materiel solutions were identified, addressing issues of modernization, clinical requirement, standardization, and redundancy. In this study, the overarching rationales for change were deletions based on clinical requirements and redundancy. Fifty-five items were deleted, 53 of which were redundant. There was a significant decrease in overall weight (27.9%) and cube (25.2%), while overall cost was minimally unchanged per set.

Modeling a medical system like the FFNEU, with a range of capabilities, validates the materiel solutions for each UTC. It is effective in facilitating AS reviews that focus on advancing the mission, operational requirements, and capabilities of these agile, deployable medical resources.

Table of Contents

Introduction.....	4
Method	4
Subject Matter Expert Guidance.....	5
Patient Stream	5
Expeditionary Medical Knowledge Warehouse	5
Capability	6
Results.....	6
Change Justification.....	6
Quantity Changes.....	7
Conclusion	8
References.....	9
Appendix A. Scenario Patient Stream	A-1
Appendix B. FFNEU Allowance Standard Recommended Configuration	B-1

Introduction

The Naval Health Research Center (NHRC) has used its modeling and simulation (M&S) expertise to develop and update U.S. Air Force medical capabilities, allowance standards (AS), and surgical subspecialty Unit Type Codes (UTC) since 2004. Air Force medical units must remain small, light, and flexible. Based on the success of previous work, the Air Force asked NHRC to conduct a study of the Medical Neurosurgical Team (FFNEU) (Konoske, 2009).

The U.S. Air Force Medical Services are faced with a wide range of potential scenarios, from providing warfighters forward resuscitative care to assisting civilian populations during humanitarian relief operations. Air Force planners and UTC developers have closely followed the *Joint Vision 2010* concept of providing highly mobile medical resources with a minimal logistic footprint, without compromising capability (Office of the Joint Chiefs of Staff, 1998). Additionally, guidance provided by the *Joint Vision 2020* calls for a more scientific approach that leverages existing information technologies to support modern operational capabilities (Office of the Joint Chiefs of Staff, 2000). Emphasis on mobility and capability result in a modular approach to prepare, plan, and deploy the FFNEU expeditionary medical platform.

Method

The NHRC method of modeling medical supply requirements was developed to establish and/or review medical inventories for various levels of care. The aim is to give clinicians in the field the needed materiel to provide the best care possible, while still maintaining as small a logistical footprint as possible. This is accomplished through a process that begins with the identification of likely patient types to be encountered by a particular type of medical treatment asset, including combat wounds, non-battle injuries, and illnesses. *International Classification of Diseases*, Ninth Revision (ICD-9) coded patient conditions that have been selected by the Defense Medical Materiel Program Office are used for this purpose. The Enterprise Estimating Supplies Program (EESP) was the only application used in this study. Figure 1 illustrates the NHRC processes used when developing a M&S package.

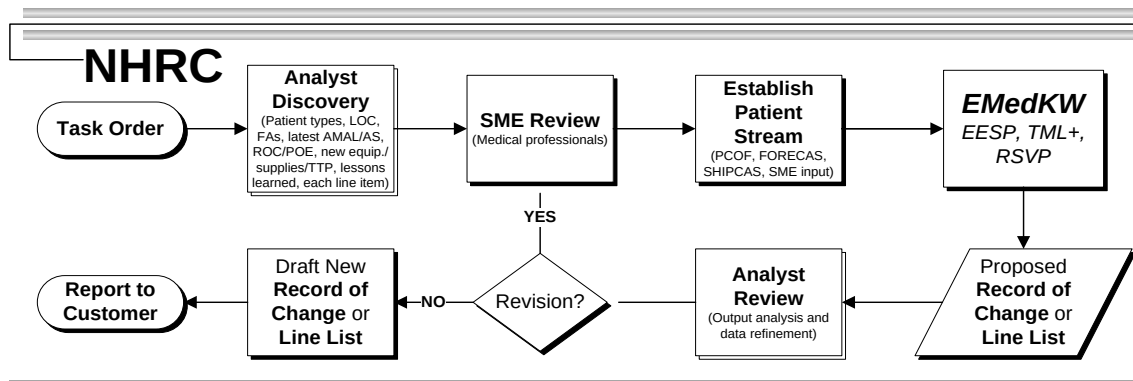


Figure 1. An example of the NHRC AS review process.

Subject Matter Expert Guidance

A subject matter expert (SME) AS review was performed on January 26, 2010 at the Wilford Medical Center in San Antonio, Texas. At this meeting, SMEs and NHRC analysts refined and validated assumptions regarding equipment and supply associations, and the range and scope of patient types.

Patient Stream

To determine the initial supply and equipment requirements, NHRC analysts developed a scenario depicting the range and types of patients that would be seen and treated at a deployed military treatment facility. The Patient Condition Occurrence and Frequency (PCOF) tool was used to generate a patient stream that is comprehensive in both the range of patient types and the frequency at which they present. Using a Poisson process and the rates provided by the PCOF tool, patient streams were developed to realistically emulate the medical demands consistent with the chosen scenario.

The resulting PCOF-generated patient stream was used in EESP to determine the medical supplies for the FFNEU, with a throughput of 33 patients in a 30-day period. The patient stream is shown in Appendix A.

Expeditionary Medical Knowledge Warehouse

The patient stream is input to the Expeditionary Medical Knowledge Warehouse (EMedKW) program to perform M&S. EMedKW is composed of EESP, the Tactical Medical Logistics (TML+) planning tool, and the ReSupply Validation Program (RSVP). EMedKW is a service-oriented architecture system designed to protect and organize medical data. EMedKW provides the ability to estimate the equipment and consumable items needed to treat a particular patient distribution, while also tracking inventory to monitor mission readiness. Within EMedKW, the tasks required to treat each PC code are identified and matched with the required equipment and consumable items. The output informs the appropriate modifications to the 917D line list for the Air Combat Command Manpower and Equipment Force Packaging System review.

The following example describes the EMedKW data structure (see Figure 2). The task profile shows the likely clinical tasks to be performed on this type of patient in that functional area, and the percentage of those patients expected to receive them. The “Equipment/supplies” column identifies the items needed to complete the “Insert endo-trach tube” task at that level of capability. Not shown in this figure are additional data fields used to calculate supply quantities, including the amount of each supply needed to complete the task, how often the task will be repeated in the first 24 hours of treatment, how often the task will be repeated in each subsequent 24-hour period, and the average length of stay at that facility.

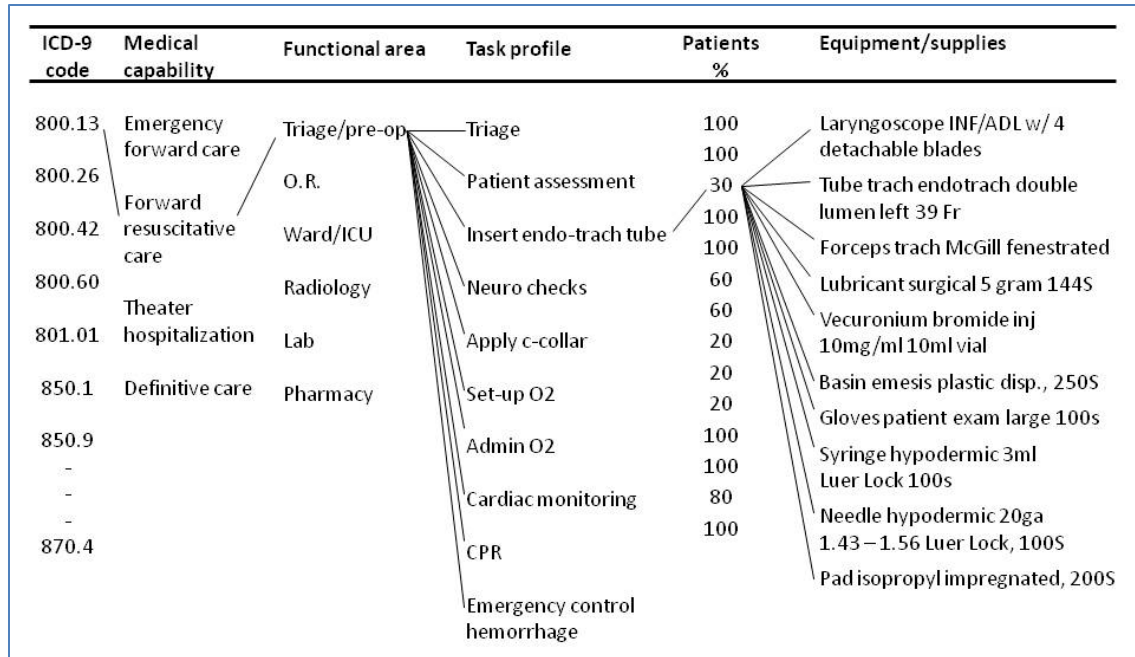


Figure 2. An example of NHRC's programmatic modeling process using ICD-9 Code 800.13.

Capability

The FFNEU provides resources to establish and support a neurosurgical capability at a deployed medical facility. This includes the expedient diagnosis, triage, and management of surgical and non-surgical conditions, such as cerebral concussions, contusions, skull fractures, spontaneous intracranial hemorrhage, spinal fractures (with both stable and progressive neurological deficits), intervertebral disk disorders, peripheral nerve injuries, and penetrating injuries of the skull. It is staffed with one neurological surgeon and one surgical services craftsman. The FFNEU's capabilities are optimized when deployed with the surgical sub-specialty expansion UTCs from ophthalmology and ear, nose, and throat.

The FFNEU depends on the deployed medical facility for laboratory support, including the ability to determine anticonvulsive drug levels, pharmacy support, radiological support with angiography and CT scanning, and critical care unit support with intracranial pressure monitoring.

Results

Change Justification

M&S provides visibility into change justifications. Justifications typically fall into one of four categories; modernization, clinical requirement, standardization, and redundancy. Modernization and standardization did not result in any change recommendations for this review. All changes were deletions based on clinical requirements and redundancy. In total, 55 items were deleted, 53 of which were due to redundancy. The deleted items are found in the EMEDS, and existing quantities are sufficient to support the neurosurgical

capability. Two items used in maxillofacial surgery, the maxillofacial cutter and bone plates, were also recommended for deletion.

Quantity Changes

While there was a decrease in the weight and cube, there was a minimal increase in the total cost for the allowance standard in this scenario. The most dramatic changes were seen in the medications and consumables. Fibrin sealant kits are expensive items, and, although the quantity increases are modest, the recommended levels contribute an additional \$26,000 to the consumables' cost. While recommended changes in medications inventory provided substantial decreases in weight and volume, overall medication costs are also higher. One example that contributed to the medications' reduction in weight and cube is phenytion sodium capsules. These are provided in bottles of 1,000 capsules, and there are 25 bottles available in the standard but the modeled scenario called for less than one bottle.

Of note is a significant decrease in overall weight and cube, and a negligible increase in overall cost. Table 1 details the weight, cube, and cost differences in the current and recommended configurations. A detailed line list is provided in Appendix B.

Table 1
FFNEU Weight, Cube, and Cost

Category	Weight (lbs)	Cube (cu ft)	Cost
AS equipment	1532.54	368.44	\$683,389.49
EESP equipment	1348.80	350.15	\$671,424.72
Difference	-183.74	-18.29	-\$11,964.77
Percent change	-11.99	-4.96	-1.75
AS medication	182.43	25.47	\$33,651.41
EESP medication	15.96	4.83	\$38,727.49
Difference	-166.47	-20.64	\$5,076.08
Percent change	-91.25	-81.04	15.08
AS consumable	1378.01	431.80	\$594,493.83
EESP consumable	866.30	262.35	\$620,857.85
Difference	-511.72	-169.45	\$26,364.02
Percent change	-59.07	-64.59	4.25
AS total	3092.98	825.72	\$1,311,534.73
EESP total	2231.06	617.33	\$1,331,010.06
Difference	-861.93	-208.39	\$19,475.33
Percent change	-27.87	-25.24	1.48

Conclusion

M&S was used to study the FFNEU and to recommend changes to the AS. The FFNEU clinical capabilities include the expedient diagnosis, triage, and management of surgical and non-surgical conditions, such as cerebral concussions, contusions, skull fractures, spontaneous intracranial hemorrhage, spinal fractures (with both stable and progressive neurological deficits), intervertebral disk disorders, peripheral nerve injuries, and penetrating injuries of the skull. A representative patient stream was developed to represent the type and frequency of patients likely to be seen at this level of care and functional area.

M&S tools are essential for projecting appropriate medical care needs for our service personnel. Standardizing equipment and consumables with the Defense Medical Materiel Program Office-approved items makes the FFNEU review more efficient. Updating and maintaining the patient data and FFNEU contents database will ensure that future medical needs are met in the most effective manner.

References

- Konokse, P. (2009). *Statement of Work FY10: Using the Naval Health Research Center's Medical Planning Applications to Review or Validate Air Force Medical Requirements and Capabilities*. San Diego, CA: Naval Health Research Center.
- Office of the Joint Chiefs of Staff. (1998). *Joint Vision 2010*. Washington, DC: Department of Defense.
- Office of the Joint Chiefs of Staff. (2000). *Joint Vision 2020*. Washington, DC: Department of Defense.

Appendix A.
FFNEU Patient Stream

ICD-9 codes and description	No. patients
800.43 CLOSED SKULL VAULT FX-MOD COMA	1
800.42 CLOSED SKULL VAULT FX-BRF COMA	1
800.26 CLOSED SKULL VAULT FX-COMA NOS	1
800.20 CLOSED SKULL VAULT FX/MENING HEM	1
854.00 BRAIN INJURY NEC	1
805.80 VERTEBRAL FX NOS-CLOSED	1
806.00 C1-C4 FX-CLOSED CORD INJ NOS	1
722.90 DISC DIS NEC/NOS-UNSPEC	1
724.00 SPINAL STENOSIS NOS	
903.90 INJURY ARM VESSEL NOS	1
955.80 INJURY MULTIPLE NERVE SHOULDER/ARM	
880.03 OPEN WOUND OF UPPER ARM	
955.80 INJURY MULT NERVE SHLDR/ARM	1
903.90 INJURY ARM VESSEL NOS	
813.90 FX FOREARM NOS-OPEN	
903.90 INJURY ARM VESSEL NOS	2
955.80 INJURY MULTIPLE NERVE SHOULDER/ARM	
813.90 FX FOREARM NOS-OPEN	
956.80 INJURY MULTIPLE NERVE PELVIS/LEG	1
904.80 INJURY LEG VESSEL NOS	
821.10 FX FEMUR NOS-OPEN	
956.80 INJURY MULTIPLE NERVE PELVIS/LEG	2
821.10 FX FEMUR NOS-OPEN	
904.80 INJURY LEG VESSEL NOS	
823.92 FX TIBIA W FIB NOS-OPEN	2
904.80 INJURY LEG VESSEL NOS	
956.80 INJURY MULTIPLE NERVE PELVIS/LEG	
904.80 INJURY LEG VESSEL NOS	5
956.80 INJURY MULTIPLE NERVE PELVIS/LEG	
823.92 FX TIBIA W FIB NOS-OPEN	
825.30 FX FOOT BONE NOS-OPEN	1
904.80 INJURY LEG VESSEL NOS	
824.90 FX ANKLE NOS-OPEN	
956.80 INJURY MULTIPLE NERVE PELVIS/LEG	

ICD-9 codes and description	No. patients
956.80 INJURY MULTIPLE NERVE PELVIS/LEG	3
904.80 INJURY LEG VESSEL NOS	
825.30 FX FOOT BONE NOS-OPEN	
824.90 FX ANKLE NOS-OPEN	
897.60 AMPUTATION LEG, BILATERAL	1
850.20 CONCUSSION-MODERATE COMA	
827.10 FX LOWER LIMB NEC-OPEN	1
956.80 INJURY MULTIPLE NERVE PELVIS/LEG	
904.80 INJURY LEG VESSEL NOS	
863.50 COLON INJURY NOS-OPEN	
904.80 INJURY LEG VESSEL NOS	2
818.10 FX ARM MULT/NOS-OPEN	
955.80 INJURY MULTIPLE NERVE SHOULDER/ARM	
827.10 FX LOWER LIMB NEC-OPEN	
956.80 INJURY MULTIPLE NERVE PELVIS/LEG	
903.90 INJURY ARM VESSEL NOS	
866.10 KIDNEY INJURY NOS-OPEN	
884.00 OPEN WOUND ARM MULT/NOS	1
867.10 BLADDER/URETHRA INJURY-OPEN	
894.00 OPEN WOUND OF LEG NEC	
956.80 INJURY MULTIPLE NERVE PELVIS/LEG	1
865.10 SPLEEN INJURY NOS-OPEN	
948.22 20-29% BDY BRN/20-29% 3D	
827.10 FX LOWER LIMB NEC-OPEN	
860.50 TRAUM PNEUMOHEMOTHOR-OPN	1
800.90 OPEN SKULL VAULT FX/BRAIN INJURY NEC	
884.00 OPEN WOUND ARM MULT/NOS	
Total	33

Appendix B.
FFNEU AS Recommended Configuration

Status	NSN	Supply description	AS qty	EESP qty	AS wt (lbs)	AS cube (cu ft)	AS cost	EESP wt (lbs)	EESP cube (cu ft)	EESP cost
Equipment										
A	6530015461383	ADAPTER SKULL CLAMP NEUROSURG HEADREST F/NEURO SURG TABLE	2	2	4.00	0.07	4,025.68	4.00	0.07	4,025.68
A	6530014685942	ADAPTER SWIVEL 6IN O/A LG MAYFIELD COMPONENT SWIVEL 360 DEGREE	1	1	0.90	0.03	959.09	0.90	0.03	959.09
A	6515015514535	AWL ORTHOPEDIC SURG SS	1	1	0.12	0.01	1,096.59	0.12	0.01	1,096.59
A	6515015515537	AWL ORTHOPEDIC SURG SS FOR SPINAL SURGERY	1	1	0.55	0.11	1,096.59	0.55	0.11	1,096.59
A	6515015530024	AXIS FINDER INCOMPASS SINGLE ORTHOGRIP HANDLE 5.5MM	1	1	0.66	0.12	1,072.75	0.66	0.12	1,072.75
A	6515014866636	BIT TORQUE DRIVER REVERSIBLE 3/16IN & 1/8IN	3	3	0.00	0.00	853.05	0.00	0.00	853.05
A	6515015480926	BLADE SCREWDRIVER SELF-RETAINING STARDRIVE 1.3MM	2	2	0.01	0.01	1,516.16	0.01	0.01	1,516.16
A	6515015510960	BLADE SET MUSCLE RETRACTOR SPINE DES, 4, 5 6 AND 7 CM; PAIR BLADES 2CM WIDE; BLACK CHROME FINISH	2	2	2.44	0.50	6,289.40	2.44	0.50	6,289.40
A	6515015510967	BLADE SET MUSCLE SPINE 4,5,6,7CM 2CM WIDE BLACK CHROME FINISH	2	2	4.00	0.07	6,289.40	4.00	0.07	6,289.40
A	6515005152113	BRACE BIT BONE HUDSON 9.75IN SNAP-LOCK	4	4	6.00	0.18	777.20	6.00	0.18	777.20
A	6530015499226	BRACKET CONNECTOR FOR OPERATING TABLE AND HEAD RESTS	2	2	1.10	0.24	1,268.02	1.10	0.24	1,268.02
A	6515011397942	CABLE ASSY ELECTROSURG APPAR PROXIMAL END DOUBLE PRONG JACK 144"	4	4	0.72	2.40	116.08	0.72	2.40	116.08

Note. A = quantity unchanged; B = quantity increase; C = quantity decrease; D = delete; E = add, deleted replacement item; F = add new item

Status	NSN	Supply description	AS qty	EESP qty	AS wt (lbs)	AS cube (cu ft)	AS cost	EESP wt (lbs)	EESP cube (cu ft)	EESP cost
A	6515015488353	CABLE MOTOR WITH FOOT CONTROL F/NEURO SPINE DRILL SYSTEM	6	6	12.00	2.10	12,572.46	12.00	2.10	12,572.46
A	6515015488383	CABLE MOTOR WITH HAND CONTROL FOR NEURO SPINE DRILL SYSTEM	3	3	6.00	1.05	10,222.08	6.00	1.05	10,222.08
A	6515011649124	CANNULA BRAIN 8.5CM LG BLUNT TIP 16GA W/STYLETTE CONE STYLE CRS	4	4	0.15	0.01	351.24	0.15	0.01	351.24
A	6515014120798	CANNULA BRAIN FRAZIER 7FR 4.5IN W/STYLET	2	2	4.00	0.06	74.90	4.00	0.06	74.90
D	6515003866800	CANNULA BRAIN FRAZIER 8FR 7.5IN OPEN END TIP	2	0	0.24	0.20	101.70	0.00	0.00	0.00
A	6515011648880	CANNULA BRAIN HAYNES 13GA 10CM LG BLUNT TIP 3 EYE STRAIGHT CRS	4	4	0.08	0.04	288.16	0.08	0.04	288.16
A	6515011398257	CANNULA SUCT SURG FRAZIER 4.5IN LONG BLUNT TIP ANG	2	2	0.20	1.63	172.06	0.20	1.63	172.06
A	6515011398258	CANNULA SUCT SURG FRAZIER 11FR 7.5IN W/STYLET	2	2	0.02	0.00	115.92	0.02	0.00	115.92
A	6515015480936	CASE GRAPHIC CRANIAL MODULAR FIXATION SYSTEM	1	1	3.00	0.76	1,435.70	3.00	0.76	1,435.70
A	6515NCM041377	CASE SCREW TRAY	4	4	0.00	0.00	720.00	0.00	0.00	720.00
A	6515NCM990386	CASPAR ANTERIOR CERVICAL	2	2	0.00	0.00	21,038.00	0.00	0.00	21,038.00
A	6515014866491	CERVICAL UNIT TRACTION HALO LARGE WAIST VEST 24-26IN RING	2	2	10.00	0.10	6,978.02	10.00	0.10	6,978.02
A	6515014866445	CERVICAL UNIT TRACTION HALO SMALL WAIST VEST 16-21IN RING	3	3	9.00	0.20	10,467.03	9.00	0.20	10,467.03
A	6545009143510	CHEST MEDICAL INSTRUMENT & SUPPLY SET AMAL #6	6	6	240.00	45.00	1,913.94	240.00	45.00	1,913.94
A	6515015366092	CHUCK DRILL HUDSON F/CRANIOTOME SURG SET UA N318 UNIT	3	3	6.00	0.36	2,489.94	6.00	0.36	2,489.94

Note. A = quantity unchanged; B = quantity increase; C = quantity decrease; D = delete; E = add, deleted replacement item; F = add new item

Status	NSN	Supply description	AS qty	EESP qty	AS wt (lbs)	AS cube (cu ft)	AS cost	EESP wt (lbs)	EESP cube (cu ft)	EESP cost
A	6530015462127	CLAMP SKULL MAYFIELD FOR NEURO MOBILE OPERATING TABLE	2	2	3.10	0.44	21,860.76	3.10	0.44	21,860.76
A	6530014685923	CLAMP SKULL MODIFIED ALUM MAYFIELD 3PT RIGID SKELETAL FIXATION	1	1	0.55	0.01	3,135.31	0.55	0.01	3,135.31
A	6530015461380	CLAMP SKULL NEUROSUGICAL HEADREST RADICAL SETTING F/NEURO CASES	2	2	2.11	0.07	523.90	2.11	0.07	523.90
A	6515012348139	CLIP ANEURYSM YASARGEIL MINI SLIGHTLY CRVD 5MM LG 3.8MM JAWS	1	1	0.04	0.00	310.12	0.04	0.00	310.12
A	6515012348129	CLIP ANEURYSM YASARGIL 7MM LG 4.4MM JAWS MINI SLIGHTLY CRVD STER	1	1	0.12	1.80	310.12	0.12	1.80	310.12
A	6515012348135	CLIP ANEURYSM YASARGIL PERMANENT STD 9MM LG 8.7MM JAWS BAYONET	1	1	0.12	1.80	502.60	0.12	1.80	502.60
A	6515012348131	CLIP ANEURYSM YASARGIL PERMANENT STD STR 11MM LG 7.8MM JAWS STER	1	1	0.04	0.00	310.12	0.04	0.00	310.12
A	6515012348133	CLIP ANEURYSM YASARGIL PERMANENT STD STR 20MM LG 11.4MM JAWS	1	1	0.04	0.00	310.12	0.04	0.00	310.12
A	6515012348130	CLIP ANEURYSM YASARGIL PERMANENT STD STR 9MM LG 7MM JAWS STERILE	1	1	0.04	0.00	323.06	0.04	0.00	323.06
A	6515012348132	CLIP ANEURYSM YASARGIL STD 9MM LG 6.8MM JAWS SLIGHTLY CRVD STER	1	1	0.04	0.00	323.06	0.04	0.00	323.06
D	6515003632300	CONDUCTOR BONE CUTTING WIRE SAW BAILEY STEEL	1	0	0.30	0.10	59.09	0.00	0.00	0.00
A	6515015515592	CONNECTOR ADJUSTABLE LGSPINAL X-LONG 5.5X60-75MM TITANIUM	1	1	0.03	0.03	2,765.31	0.03	0.03	2,765.31
A	6515015516335	CONNECTOR ROD SPINAL TITANIUM FIXED DISTANCE 5.5MM DIA 35MM LONG	1	1	0.05	0.03	2,979.86	0.05	0.03	2,979.86
A	6515015515027	CONNECTOR, FIXED DISTANCE SPINAL 3-HOLES 0 DEG BIAS 25.5MM LG BON	4	4	0.40	0.40	6,436.52	0.40	0.40	6,436.52
A	6515015514697	CONNECTOR, FIXED DISTANCE SPINAL SURGE TITANIUM 5.5MM DIA	1	1	0.25	0.12	2,979.86	0.25	0.12	2,979.86

Note. A = quantity unchanged; B = quantity increase; C = quantity decrease; D = delete; E = add, deleted replacement item; F = add new item

Status	NSN	Supply description	AS qty	EESP qty	AS wt (lbs)	AS cube (cu ft)	AS cost	EESP wt (lbs)	EESP cube (cu ft)	EESP cost
A	6515015488386	CONTROL UNIT WITH COOLING UNIT FOR NEURO SPINE DRILL SYSTEM	3	3	6.00	1.05	31,704.27	6.00	1.05	31,704.27
A	6515011667753	CORD ASSEMBLY ELECTRICAL INSULATED W/PERM UNIV PLUG ON ONE END	2	2	0.50	0.02	207.00	0.50	0.02	207.00
A	6515015480888	COUPLING HEAD BRAIN RETRACTOR STAINLESS STEEL 5 ARM CAPACITY	1	1	3.00	0.08	1,452.47	3.00	0.08	1,452.47
A	6515014978131	CRANIOTOMY-LAMINECTOMY CUSTOM PK FOR NEUROSURG MMS & CSG DEPMEP	30	30	105.00	7.50	17,131.80	105.00	7.50	17,131.80
D	6515003225550	CURETTE MASTOID SPRATT SIZE 2 SPOON SHAPE BLA	2	0	0.40	0.20	155.28	0.00	0.00	0.00
A	6515014695948	CURETTE SPINAL 8.375IN NOMINAL	1	1	1.15	0.15	7,203.92	1.15	0.15	7,203.92
A	6515011648889	DIRECTOR AND TONGUE TIE 6IN LONG BLUNT/OPEN END/ROUND TIP STR	4	4	0.08	0.04	51.12	0.08	0.04	51.12
A	6515010606800	DISSECTOR GEN SURG NO. 1 PENFIELD DSGN 7.0IN	4	4	0.40	0.04	133.40	0.40	0.04	133.40
A	6515010606801	DISSECTOR GEN SURG NO. 3 PENFIELD DSGN 7.7IN	4	4	0.40	0.04	195.92	0.40	0.04	195.92
D	6515010606802	DISSECTOR GEN SURG NO. 4 PENFIELD DSGN 8.5IN	1	0	0.20	0.10	98.78	0.00	0.00	0.00
A	6515010609257	DISSECTOR GENERAL SURG PENFIELD DSGN NO.2 DBL-ENDED 7.75INLG CRS	4	4	0.32	2.72	445.28	0.32	2.72	445.28
A	6515014674172	DISSECTOR NEUROSURG TITANIUM O/A RHOTON STYLE TITANIUM	6	6	4.08	1.50	17,127.48	4.08	1.50	17,127.48
A	6515015527357	DRILL 2.0MM 13MM	1	1	0.55	0.11	424.21	0.55	0.11	424.21
A	6515015527799	DRILL 2.0MM WITH 25MM STOP	6	6	12.00	4.84	2,056.50	12.00	4.84	2,056.50
A	6515011398266	DRILL GUIDE CRANIAL ADSON DESIGN 6IN LG 0.25IN W JAW OPENING CRS	4	4	0.88	1.60	474.68	0.88	1.60	474.68

Note. A = quantity unchanged; B = quantity increase; C = quantity decrease; D = delete; E = add, deleted replacement item; F = add new item

Status	NSN	Supply description	AS qty	EESP qty	AS wt (lbs)	AS cube (cu ft)	AS cost	EESP wt (lbs)	EESP cube (cu ft)	EESP cost
A	6515011398243	DRILL TWIST BONE DERRICO 98MM 16MM DIA	5	5	0.50	0.50	734.25	0.50	0.50	734.25
A	6515014996714	DRILL TWIST BONE ORTHO CRS 44.5MM X 1MM OD SNYTHES	2	2	0.70	0.01	362.74	0.70	0.01	362.74
A	6515015529171	DRIVER IMPLANT UNIVERSAL INCOMPASS TI 5.5MM SPINAL SURGER 2-PR	2	2	0.02	0.02	3,051.38	0.02	0.02	3,051.38
A	6515015498940	DURAGUARD FIXED HILAN XS I USED ON AESCULAP MOTOR SYSTEM	4	4	3.52	0.48	4,394.28	3.52	0.48	4,394.28
A	6515015498832	DURAGUARD MOTOR SYS HILAN XS FIXED III U/ON AESCULAP MOTOR SYS	3	3	5.25	0.75	3,295.71	5.25	0.75	3,295.71
A	6515015498939	DURAGUARD MOTOR SYSTEM HILAN XS FIXED II F/AESCULAP MOTOR SYSTEM	3	3	5.25	0.75	3,295.71	5.25	0.75	3,295.71
A	6515015497150	ECCOS SET HILAN XS	3	3	3.00	0.01	2,100.69	3.00	0.01	2,100.69
A	6515015495768	ECCOS SET FOR MICROSPEED UNI MOTORS	3	3	1.65	0.45	3,949.32	1.65	0.45	3,949.32
A	6515003276100	ELEVATOR DURA FRAZIER 6.50INLG ANG BLADE 0.141IN BLADE W BLUNT TIP	4	4	0.17	0.01	131.32	0.17	0.01	131.32
D	6515003276600	ELEVATOR NASAL FREER DESIGN 7.50IN	1	0	0.20	0.10	49.13	0.00	0.00	0.00
D	6515003277900	ELEVATOR PERIO LANGENBECK 8.25IN BLUNT	1	0	0.25	0.10	57.14	0.00	0.00	0.00
A	6515003124260	EXTENSION BONE BIT BRACE 4.125INO/A CRANIAL	4	4	0.76	0.04	399.32	0.76	0.04	399.32
A	6515015485671	FLEXIBLE ARM BRAIN YASARGIL FLEX-ARM F/LEYAL BRAIN RETRACTOR SS	2	2	0.01	0.01	3,002.00	0.01	0.01	3,002.00
A	6515015492651	FOOT CONTROL MICROSPEED UNI ONE PEDAL	3	3	15.00	0.17	12,754.50	15.00	0.17	12,754.50
A	6515014678164	FORCEP BIPOLAR MALIS STRAIGHT TIPS 1.5MMX7IN	2	2	2.30	0.30	558.00	2.30	0.30	558.00

Note. A = quantity unchanged; B = quantity increase; C = quantity decrease; D = delete; E = add, deleted replacement item; F = add new item

Status	NSN	Supply description	AS qty	EESP qty	AS wt (lbs)	AS cube (cu ft)	AS cost	EESP wt (lbs)	EESP cube (cu ft)	EESP cost
D	6515003347500	FORCEP HEMO ROCH-OCHS 1.875IN JAW 7.25IN SZ 2	6	0	1.80	0.60	399.54	0.00	0.00	0.00
D	6515003380300	FORCEP TISSUE ALLIS 6IN PIV STRT&SMOOTH JAW	6	0	0.60	0.60	128.70	0.00	0.00	0.00
D	6515003204600	FORCEP TOWEL BACKHAUS 5.25IN PRG TOWEL CLAMP	4	0	0.44	0.40	29.76	0.00	0.00	0.00
A	6515012422228	FORCEPS APPLYING ANEURYSM CLIP 8.25IN LG YASARGIL BAYONET CRS	4	4	1.20	0.08	2,484.60	1.20	0.08	2,484.60
A	6515011651158	FORCEPS APPLYING ANEURYSM CLIP BAYONET SHAPE 8.25INLG F/STD CLIPS	6	6	1.02	0.04	4,248.60	1.02	0.04	4,248.60
A	6515015529603	FORCEPS BIPOLAR HARDY BAYONET INSULATED 0.5MM, 8-1/4IN	6	6	0.03	0.21	8,290.56	0.03	0.21	8,290.56
A	6515014829293	FORCEPS BIPOLAR RHOTON TIP WIDTH 1MM NON STICK MIRROR FINISH	2	2	0.54	0.24	1,367.94	0.54	0.24	1,367.94
A	6515011397943	FORCEPS COAGULATION TITANIUM 6IN LG FINE STR TIP MALIS BIPOLAR	6	6	0.06	0.01	5,680.74	0.06	0.01	5,680.74
D	6515003332400	FORCEPS DRESSING ADSON 7.125" LG BAYONET STR & SERRATED SHARP PT	1	0	0.20	0.10	55.08	0.00	0.00	0.00
A	6515003333100	FORCEPS DRESSING CUSHING 7IN STR & SERR	6	6	0.42	0.02	231.78	0.42	0.02	231.78
A	6515003326200	FORCEPS HEMO CLIP RAINEY PIVOTED 6.5IN	4	4	2.08	0.11	266.92	2.08	0.11	266.92
D	6515003344900	FORCEPS HEMO HALSTED 4.75-5.25IN CRVD SER	20	0	2.00	1.00	157.20	0.00	0.00	0.00
A	6515011637938	FORCEPS HYPOPHYSEAL ADSON BAYONET SHAPED STR 9INLG PASSIVATED CRS	6	6	5.91	0.05	1,798.20	5.91	0.05	1,798.20
A	6515015480849	FORCEPS LIGATING CLIP APPLYING MED SZ 6S	1	1	1.00	0.04	380.41	1.00	0.04	380.41
A	6515012477155	FORCEPS MICROSURG STRAIGHT FINE TIP 0.5MM W 8.75INLG MALIS	2	2	0.66	0.10	1,918.18	0.66	0.10	1,918.18

Note. A = quantity unchanged; B = quantity increase; C = quantity decrease; D = delete; E = add, deleted replacement item; F = add new item

Status	NSN	Supply description	AS qty	EESP qty	AS wt (lbs)	AS cube (cu ft)	AS cost	EESP wt (lbs)	EESP cube (cu ft)	EESP cost
A	6515014659176	FORCEPS MICROSURG TITANIUM RHOTON STYLE STRAIGHT .5MM TIP7IN LG	1	1	0.55	0.12	611.73	0.55	0.12	611.73
A	6515012422245	FORCEPS MIRCOSURG MALIS BAYONET ST BLUNT TIP W 0.75MM LG 8.75 IN	2	2	0.94	0.03	642.46	0.94	0.03	642.46
A	6515014999361	FORCEPS PLATE HOLDIING ORTHO LOCKING FOR 1.5MM & 2MM	1	1	0.37	0.18	1,126.62	0.37	0.18	1,126.62
A	6515014486387	FORCEPS PLATE HOLDING CRS 182MM LG FOR 1MICRO PLATES	1	1	0.15	0.10	1,155.82	0.15	0.10	1,155.82
D	6515003379900	FORCEPS TISSUE 5.5IN TWEEZER STR & SMOOTH	5	0	0.50	0.50	81.40	0.00	0.00	0.00
D	6515003377800	FORCEPS TISSUE ADS4.50INTWEEZ STRT & SMTH IAW	4	0	0.80	0.40	313.32	0.00	0.00	0.00
D	6515003204590	FORCEPS TOWEL BACKHAUS 4IN OPPOSED PRONGS	1	0	0.13	0.10	12.27	0.00	0.00	0.00
A	6540014620099	GOGGLE PROTECTIVE EXAMINATION AND TREATMENT NON-VENTED FOG FREE	2	2	0.62	0.00	12.58	0.62	0.00	12.58
A	6515NCM990385	GRAFT HARVESTING SET	1	1	0.00	0.00	3,998.00	0.00	0.00	3,998.00
A	6515015529262	GRIP STARTER,SOCKET F/INCOMPASS SOCKET HEAD PENCIL TI 5.5MM	1	1	0.12	0.10	953.55	0.12	0.10	953.55
A	6515015527085	GUIDE DRILL BONE VARIABLE DEPTH	1	1	0.55	0.12	2,431.56	0.55	0.12	2,431.56
A	6515NCM041437	HANDLE AO MODULAR	2	2	0.00	0.00	190.00	0.00	0.00	190.00
A	6515003632400	HANDLE BONE CUTTING WIRE SAW GIGLI OVAL	8	8	1.04	0.08	663.60	1.04	0.08	663.60
D	6515003447800	HANDLE SURGICAL KNIFE DET BLADE 3 NARROW NOSE	1	0	0.10	0.11	5.52	0.00	0.00	0.00
D	6515003447880	HANDLE SURGICAL KNIFE DET BLADE 7 NARROW NOSE	1	0	0.10	0.10	7.32	0.00	0.00	0.00

Note. A = quantity unchanged; B = quantity increase; C = quantity decrease; D = delete; E = add, deleted replacement item; F = add new item

Status	NSN	Supply description	AS qty	EESP qty	AS wt (lbs)	AS cube (cu ft)	AS cost	EESP wt (lbs)	EESP cube (cu ft)	EESP cost
A	6515015498941	HANDPIECE CRANIOTOME HILAN XS USED ON AESCULAP MOTOR SYSTEM	3	3	2.64	0.66	9,207.90	2.64	0.66	9,207.90
A	6515015371062	HANDPIECE CRANIOTOME STRAIGHT F/6515015131005 SEE UA N318	3	3	6.00	1.67	9,547.08	6.00	1.67	9,547.08
A	6515015489890	HANDPIECE ORTHOPEDIC SURGERY	3	3	3.17	0.17	8,489.67	3.17	0.17	8,489.67
A	6515015492611	HANDPIECE SURG APPARATUS ANGULAR HI LINE XS II	3	3	2.55	0.36	8,082.48	2.55	0.36	8,082.48
A	6515015492640	HANDPIECE SURG APPARATUS HILAN XS STRAIGHT HANDPIECE II	3	3	6.00	0.01	4,518.63	6.00	0.01	4,518.63
A	6515015492624	HANDPIECE SURG APPARATUS HI-LINED XS ANGULAR	3	3	6.00	0.01	7,258.59	6.00	0.01	7,258.59
A	6515015492603	HANDPIECE SURG APPARATUS III ANGULAR HI-LINE XS	3	3	6.00	0.01	7,782.48	6.00	0.01	7,782.48
A	6515015492633	HANDPIECE SURG APPARATUS STRAIGHT HILAN XS III	3	3	2.46	0.36	5,304.48	2.46	0.36	5,304.48
D	6515014983999	HEADLIGHTS SURG PORT SOLARC 8IN CORD HEADBAND	2	0	1.18	1.00	7,724.76	0.00	0.00	0.00
A	6530014685948	HEADREST HORSESHOE SWIVEL W/REMOVABLE GEL PADS DISP 7INPULLEY ROD	1	1	0.55	0.05	1,301.19	0.55	0.05	1,301.19
A	6530015461390	HEADREST NEUROSURG	2	2	12.00	0.15	19,802.18	12.00	0.15	19,802.18
A	6515NCM041436	HEX DRIVER AO MODULAR 2.5	3	3	0.00	0.00	540.00	0.00	0.00	540.00
A	6515011863653	HOLDER INSTR STERILIZATION U-SHAPED 5.5X3IN	4	4	0.88	0.80	233.72	0.88	0.80	233.72
A	6515011863652	HOLDER INSTR STERILIZATION U-SHAPED 8X2.75IN	4	4	1.28	0.80	150.00	1.28	0.80	150.00
A	6515015529201	HOLDER ROD SPINAL SYSTEM FOR 5.5MM & 6MM RODS	1	1	0.30	0.10	4,291.00	0.30	0.10	4,291.00

Note. A = quantity unchanged; B = quantity increase; C = quantity decrease; D = delete; E = add, deleted replacement item; F = add new item

Status	NSN	Supply description	AS qty	EESP qty	AS wt (lbs)	AS cube (cu ft)	AS cost	EESP wt (lbs)	EESP cube (cu ft)	EESP cost
D	6515006903198	HOLDER SUTURE NDL DEBAKEY 7IN SERR	1	0	0.20	0.10	76.71	0.00	0.00	0.00
D	6515002998737	HOLDER SUTURE NEEDLE HEGAR-MAYO 7IN SER JAW	4	0	0.88	0.04	154.20	0.00	0.00	0.00
A	6515015485800	HOLDING ROD BRAIN RETRACTOR LEYLA SS	1	1	1.00	0.01	714.32	1.00	0.01	714.32
D	6515003421400	HOOK BRAIN DISSECTING ADSON 90 DEGREE 8IN	3	0	0.68	0.30	90.54	0.00	0.00	0.00
A	6515011398841	HOOK NERVE MALIS 2MM TIP BLUNT 7.25IN O/A LG W CRS/TITANIUM	2	2	0.88	0.01	224.40	0.88	0.01	224.40
A	6515011398843	HOOK NERVE MALIS 3MM TIP 7.25IN OVERALL LGTITANIUM HDL/CRS	2	2	1.00	0.01	224.40	1.00	0.01	224.40
A	6515NCM041379	IMPLANT TRAY	3	3	0.00	0.00	768.00	0.00	0.00	768.00
A	6515NCM041380	IMPLANT TRAY LID	3	3	0.00	0.00	576.00	0.00	0.00	576.00
A	6515NCM041368	INCOMPASS ALL MIGHTY REDUCTION	1	1	0.00	0.00	2,780.00	0.00	0.00	2,780.00
A	6515NCM041369	INCOMPASS ROD REDUCTION	1	1	0.00	0.00	780.00	0.00	0.00	780.00
A	6515015527382	INSERT INSTRUMENT TRAY BONE PLATE	1	1	1.55	0.15	595.97	1.55	0.15	595.97
A	6515NCM041378	INSERT TRAY LID	4	4	0.00	0.00	760.00	0.00	0.00	760.00
A	6515NCM041375	INSTRUMENT CASE BASE	3	3	0.00	0.00	1,650.00	0.00	0.00	1,650.00
A	6515NCM041376	INSTRUMENT CASE LID	3	3	0.00	0.00	675.00	0.00	0.00	675.00
A	6515014659184	KNIFE MICROSURG SS	1	1	0.55	0.12	307.08	0.55	0.12	307.08

Note. A = quantity unchanged; B = quantity increase; C = quantity decrease; D = delete; E = add, deleted replacement item; F = add new item

Status	NSN	Supply description	AS qty	EESP qty	AS wt (lbs)	AS cube (cu ft)	AS cost	EESP wt (lbs)	EESP cube (cu ft)	EESP cost
A	6515014988865	LAMP ARC METAL HALITE BULB 110/220V U/W 6515014983999	4	4	0.40	0.48	1,045.16	0.40	0.48	1,045.16
A	6515015487037	LID BASKET STERILIZATION SIZE 1/1	6	6	6.00	0.03	1,341.78	6.00	0.03	1,341.78
A	6515015480990	LID STERLIZATION PAN FULL SIZE	3	3	3.00	0.02	1,573.50	3.00	0.02	1,573.50
A	6515NCM041444	LID UNIVERSAL	1	1	0.00	0.00	190.00	0.00	0.00	190.00
A	6530011676652	LOCKNUT NEUROSURG HEADREST MAYFIELD 6.4MM DIAMETER CRS	4	4	0.08	0.01	100.72	0.08	0.01	100.72
A	6515NCM990384	LUMBAR SPINE INSTRUMENTS	2	2	0.00	0.00	35,636.00	0.00	0.00	35,636.00
A	6515015510952	MALLET BONE SURGERY GERZOG 1/2LB 7-1/2IN FLAT LEAD FILLED HANDLE	3	3	1.65	0.36	911.79	1.65	0.36	911.79
A	6515015486862	MARKER SCREW LGF/4MM SELF-DRILLING SCREWS WHITE	7	7	0.04	0.04	116.41	0.04	0.04	116.41
A	6515015480900	MARKER SCREW LGFOR 5MM SELF DRILLING SCREWS	5	5	0.02	0.03	8,311.35	0.02	0.03	8,311.35
A	6515NCM041383	MATS SLICONE MOD II	1	1	0.00	0.00	140.00	0.00	0.00	140.00
A	6515NCM041382	MATS UPPER INSERT MOD II	1	1	0.00	0.00	120.00	0.00	0.00	120.00
A	6515NCM041381	MATS UPPER INSERT MOD II	1	1	0.00	0.00	130.00	0.00	0.00	130.00
A	6515014943100	MICROSENIOR SKULL BOLD KT FOR USE IN SUBDURAL/INTRAPARENCHYMAL	10	10	5.60	5.90	6,055.80	5.60	5.90	6,055.80
A	6515015498813	MOTOR MICRO 150 USED ON AESCULAP MOTOR SYSTEM	3	3	5.25	0.75	11,665.38	5.25	0.75	11,665.38
A	6515015498818	MOTOR MICROSPEED UNI HI 150	3	3	5.25	0.75	9,067.62	5.25	0.75	9,067.62

Note. A = quantity unchanged; B = quantity increase; C = quantity decrease; D = delete; E = add, deleted replacement item; F = add new item

Status	NSN	Supply description	AS qty	EESP qty	AS wt (lbs)	AS cube (cu ft)	AS cost	EESP wt (lbs)	EESP cube (cu ft)	EESP cost
A	1670009962780	NET CARGO TIE DOWN 5.5FTX14.5	2	2	40.00	10.00	284.00	40.00	10.00	284.00
A	1670009694103	NET CARGO TIE DOWN 96IN HT 10,000LB CAP	1	1	20.00	5.00	142.00	20.00	5.00	142.00
A	6540014587337	OPHTHALMOSCOPE 2.5 VOLT COMPACT W/HALOGEN LIG	2	2	2.10	0.36	267.00	2.10	0.36	267.00
A	1670008204896	PALLET CARGO AIRCRAFT 108INX88IN	1	1	200.00	9.00	856.96	200.00	9.00	856.96
A	6515015487043	PAN STERLIZATION FULL SZ PEROFRATED BOTTOM	3	3	6.00	0.48	3,158.55	6.00	0.48	3,158.55
A	6515015529301	PARALLEL COMPRESSOR SINAL ROD F/ROD PREPARAT	1	1	5.00	0.89	5,006.16	5.00	0.89	5,006.16
A	6515NCM041356	PARALLEL DISTRACTER	1	1	0.00	0.00	2,160.00	0.00	0.00	2,160.00
A	6515NCM041432	PARALLEL PLATE BENDER SET	1	1	0.00	0.00	460.00	0.00	0.00	460.00
A	6515015529278	PEDICLE PROBE THORACIC 1.75MM STRAIGHT	1	1	0.12	0.10	834.36	0.12	0.10	834.36
A	6515NCM041438	PLATE HOLDER POSITIONER	1	1	0.00	0.00	645.00	0.00	0.00	645.00
A	6515014997987	PLATE SKULL SURG Y-PLATE DBL ORTHO 1.3MM TITANIUM 1 HOLE EA ARM	6	6	0.72	0.72	1,576.98	0.72	0.72	1,576.98
A	6515015497170	POWER CORD MOTOR SYSTEM 305CM F/AESULAP MICROSPEED MOTOR SYS	3	3	6.00	0.01	3,025.98	6.00	0.01	3,025.98
A	6515013093525	PROBE ASSEMBLY PERIPHERAL NERVE STIMULATOR E.I. 6515-01-278-9850	4	4	1.00	0.02	197.60	1.00	0.02	197.60
A	6515015536685	PROBE PEDICLE II 3MM STRAIGHT WITH ORTHO GRIP	1	1	0.01	0.04	595.97	0.01	0.04	595.97
A	6515015536671	PROBE PEDICLE II 4MM CURVED WITH IMPACT HANDLE	1	1	0.01	0.05	595.97	0.01	0.05	595.97

Note. A = quantity unchanged; B = quantity increase; C = quantity decrease; D = delete; E = add, deleted replacement item; F = add new item

Status	NSN	Supply description	AS qty	EESP qty	AS wt (lbs)	AS cube (cu ft)	AS cost	EESP wt (lbs)	EESP cube (cu ft)	EESP cost
A	6515015510948	RETRACTOR BRAIN BALL JOINT BLOCK LAYLA	1	1	0.55	0.12	1,694.04	0.55	0.12	1,694.04
A	6515003605900	RETRACTOR BRAIN CUSHING DESIGN HOOK UNIT TYPE 8IN PORM .25IN	4	4	0.52	0.10	165.92	0.52	0.10	165.92
A	6515012985545	RETRACTOR CERVICAL CLOWARD SMALL 7 BLADE QTY CRS 6IN LG SELF-ADH	1	1	0.28	0.01	3,255.18	0.28	0.01	3,255.18
A	6515015527049	RETRACTOR FRAME HINGED MCCULLOUGH SPINE BLACK SATIN FINISH	2	2	100.00	2.75	88,146.96	100.00	2.75	88,146.96
A	6515011249804	RETRACTOR LAMINECTOMY MEYERDING DSGN 3X1IN BLADE CRVD INWARD CRS	4	4	1.52	9.27	332.00	1.52	9.27	332.00
D	6515009269193	RETRACTOR MASTWEITLANER 6.5IN HOOK 4 PRONG	2	0	0.62	0.40	103.20	0.00	0.00	0.00
A	6515011398253	RETRACTOR SET BRAIN LEYLA DESIGN PASSIVATED CRS	1	1	1.82	5.87	2,025.00	1.82	5.87	2,025.00
A	6515015510968	RETRACTOR SET SPINE HOOK BLADES 3,4,5, 6CM PR BLACK CHROME FINIS	2	2	4.00	0.07	2,572.94	4.00	0.07	2,572.94
A	6515015513193	ROD FIXATION SPINAL 5X5MM 100MM LONG TITANIUM	4	4	2.20	0.48	3,051.36	2.20	0.48	3,051.36
A	6515015527894	ROD POSTERIOR SPINAL BENDER SYSTEM 2- HANDED F/SPINAL SURGERY	1	1	1.00	0.56	3,277.85	1.00	0.56	3,277.85
A	6515011648872	RONGEUR CURVED DSGN UP-BITING INTERVERTEBRAL DISC 7INLG SHAFT CRS	4	4	3.00	0.10	2,326.40	3.00	0.10	2,326.40
A	6515014861678	RONGEUR KERRISON CRS 7IN O/A LG 40DEG UP- BITING 1MM BITE	3	3	6.75	0.75	737.76	6.75	0.75	737.76
A	6515011673802	RONGEUR LEKSELL 5MM SZ 9.75IN LG SURG LAMINECTOMY DBL ACTING CRS	4	4	3.88	0.75	2,325.36	3.88	0.75	2,325.36
A	6515010895666	RONGEUR LEKSELL CURVD 8MM SIZE 9.75IN LG	4	4	7.12	0.22	1,929.80	7.12	0.22	1,929.80
A	6515011643160	RONGEUR LEKSELL CURVED 8MM SIZE 9.75INLG SURG WIDE JAW DBL ACTING	4	4	2.44	0.10	1,891.12	2.44	0.10	1,891.12

Note. A = quantity unchanged; B = quantity increase; C = quantity decrease; D = delete; E = add, deleted replacement item; F = add new item

Status	NSN	Supply description	AS qty	EESP qty	AS wt (lbs)	AS cube (cu ft)	AS cost	EESP wt (lbs)	EESP cube (cu ft)	EESP cost
A	6515011656738	RONGEUR STRAIGHT LOVE-GRUENWALD 10X3MM SGL-JOINTED 7IN SHAFT CRS	4	4	4.55	0.06	634.04	4.55	0.06	634.04
A	8340NCM060739	ROPAK CONTAINER LID 40X48	8	8	40.00	8.00	298.72	40.00	8.00	298.72
A	8340NCM020030	ROPAK CONTAINER TWO DROP DOORS 84	8	8	200.00	120.00	1,960.00	200.00	120.00	1,960.00
A	6515015495769	SAW RECIPRICATING MICRO-LINE	3	3	9.00	0.17	13,994.01	9.00	0.17	13,994.01
A	6515015498645	SAW SAGITTAL HANDPIECE MICOR-LINE WITHOUT BLADES	3	3	7.50	0.38	13,020.51	7.50	0.38	13,020.51
D	6515003640920	SCISSOR GEN SURG MAYO 7IN BLUNT 1.626IN CUT	2	0	0.32	0.20	15.12	0.00	0.00	0.00
D	6515011654991	SCISSOR GEN SURG METZENBAUM 7IN FINE TIP CURV	1	0	0.20	0.20	6.60	0.00	0.00	0.00
D	6515003657100	SCISSOR TONSIL METZENBAUM 7IN CRV BLUNT PTS	2	0	0.20	0.20	261.12	0.00	0.00	0.00
D	6515011511822	SCISSOR WIRE CUT SURG 4.75IN SHORT ANG	1	0	0.20	0.10	44.15	0.00	0.00	0.00
A	6515011398852	SCISSORS MICROSURG MALIS 9.50IN LG BAYONET CURVED UP REGULAR TIP	2	2	0.68	0.03	1,701.12	0.68	0.03	1,701.12
A	6515011398854	SCISSORS MICROSURG MALIS 9.50IN LG BAYONET STR FINE TIP TITANIUM	2	2	0.68	0.03	1,548.28	0.68	0.03	1,548.28
A	6515011398853	SCISSORS MICROSURG MALIS 9.50IN LG CRVD DOWN BAYONET REGULAR TIP	2	2	0.68	0.03	1,701.12	0.68	0.03	1,701.12
A	6515011398855	SCISSORS MICROSURG MALIS 9.50IN LG CURVED UP BAYONET FINE TIP	2	2	0.68	0.03	1,548.28	0.68	0.03	1,548.28
A	6515014659182	SCISSORS MICROSURG SS	1	1	0.55	0.12	423.86	0.55	0.12	423.86
A	6515014659180	SCISSORS MICROSURG SS STRAIGHT TIP 5-1/2IN LG	1	1	0.55	0.12	328.70	0.55	0.12	328.70

Note. A = quantity unchanged; B = quantity increase; C = quantity decrease; D = delete; E = add, deleted replacement item; F = add new item

Status	NSN	Supply description	AS qty	EESP qty	AS wt (lbs)	AS cube (cu ft)	AS cost	EESP wt (lbs)	EESP cube (cu ft)	EESP cost
A	6515012452128	SCISSORS MICROSURG STRAIGHT REG TIP BAYONET MALIS 9.50IN LG	2	2	0.02	0.00	1,701.12	0.02	0.00	1,701.12
A	6515011663505	SCISSORS NEUROSURG TAYLOR DESIGN 6IN LG ANGLED ON SIDE CRS	4	4	1.52	0.06	513.96	1.52	0.06	513.96
A	6530015461385	SCREEN BEDSIDE F/NEURO CASES L-SHAPED F/MOBILE OPERATING TABLE	2	2	10.00	0.11	712.40	10.00	0.11	712.40
A	6515NCM041434	SCREW DEPTH GAGE	2	2	0.00	0.00	740.00	0.00	0.00	740.00
A	6515NCM041007	SCREWDRIVER HANDLE WITH H	2	2	0.00	0.00	768.00	0.00	0.00	768.00
A	6515015529194	SCREWDRIVER,BONE OPEN 1-HANDED HANDLE TI 5.5MM	2	2	0.40	0.20	7,151.66	0.40	0.20	7,151.66
A	6515015532132	SHAFT SCREWDRIVER SPINAL SYS QUICK RELEASE LONG SHAFT/T-HANDLE	1	1	0.01	1.00	2,860.66	0.01	1.00	2,860.66
A	6515015529932	SHAFT STANDARD INCOMPASS CLOSURE TOPSET SCREW 5.5MM TI	1	1	0.55	0.11	2,860.66	0.55	0.11	2,860.66
A	6515015529252	SHEATH SCREWDRIVER OPEN INCOMPASS 5.5MM TI	2	2	0.20	0.20	477.06	0.20	0.20	477.06
A	6515011398245	SPATULA BRAIN DAVIS 7X0.25IN MALL NICK SILVER	4	4	0.25	0.00	216.04	0.25	0.00	216.04
A	6515011398247	SPATULA BRAIN DAVIS MALLEABLE 7X0.50IN	4	4	0.04	0.00	111.92	0.04	0.00	111.92
A	6515011398249	SPATULA BRAIN DAVIS MALLEABLE 7X0.75IN	4	4	0.25	0.00	119.96	0.25	0.00	119.96
A	6515011398250	SPATULA BRAIN MALLEABLE DAVIS DESIGN 7X1IN NICKEL SILVER ALLOY	4	4	0.25	0.00	130.96	0.25	0.00	130.96
A	6515015485565	SPATULA BRAIN MALLEABLE RD SHAFT 14MM WIDE X 200 MM LONG SS	2	2	0.11	0.01	133.54	0.11	0.01	133.54
A	6515015480880	SPATULA BRAIN ROUND MALL 17MM WIDE 200MM LONG STAINLESS STEEL	2	2	2.00	0.07	196.40	2.00	0.07	196.40

Note. A = quantity unchanged; B = quantity increase; C = quantity decrease; D = delete; E = add, deleted replacement item; F = add new item

Status	NSN	Supply description	AS qty	EESP qty	AS wt (lbs)	AS cube (cu ft)	AS cost	EESP wt (lbs)	EESP cube (cu ft)	EESP cost
A	6515015485534	SPATULA BRAIN ROUND MALL 20MM WIDE BY 200MM LONG SS	2	2	0.11	0.01	196.40	0.11	0.01	196.40
A	6515NCM041373	SPEED LINK COUNTER TORQUE	1	1	0.00	0.00	790.00	0.00	0.00	790.00
A	6515NCM041371	SPEED LINK BENDERS	1	1	0.00	0.00	720.00	0.00	0.00	720.00
A	6515NCM041372	SPEED LINK TORQUE LIMITIN	1	1	0.00	0.00	910.00	0.00	0.00	910.00
A	6515NCM041370	SPEEDLINK 3.5MM DIAMOND	2	2	0.00	0.00	740.00	0.00	0.00	740.00
A	6515015532139	STARTER SOCKET HEAD W/KNOB FOR SPINAL SURGERY	1	1	0.01	0.03	1,191.94	0.01	0.03	1,191.94
A	6515015480884	SUPPORT BRAIN SPATULA 5.5MM SHAFT DIA. F/CYLINDRICAL SHAFT	2	2	2.00	0.07	637.74	2.00	0.07	637.74
A	6515NCM041374	TABLE TOP ROD CUTTER	1	1	0.00	0.00	2,390.00	0.00	0.00	2,390.00
A	6515015529114	TAP BONE SCREW 4MM FIXED T-HANDLE W/INTEGRAL SOLID HANDLE	1	1	0.01	0.01	1,072.75	0.01	0.01	1,072.75
A	6515015529084	TAP BONE SCREW 6MM FIXED T-HANDLE W/INTEGRAL HANDLE	1	1	0.01	0.01	1,072.75	0.01	0.01	1,072.75
A	6515015529092	TAP BONE SCREW FIXED 5MM T-HANDLE W/INTEGRAL SOLID BODY	1	1	0.01	0.01	1,072.75	0.01	0.01	1,072.75
A	6515015544392	THREAD TAP CANCELLOUS 3.5MM UBPII PREM SET D CONNECT	3	3	0.01	0.02	965.49	0.01	0.02	965.49
A	6515011256616	TONGS SKULL TRACTION GARDNER-WELLS DESIGN 6.25IN MAX OPENING CRS	2	2	2.00	0.23	767.40	2.00	0.23	767.40
D	7210002999610	TOWEL HAND COTTON GRN/GRAY NONDISP 36X17IN	24	0	5.76	0.24	30.24	0.00	0.00	0.00
A	6515NCM041443	TRAY BASE UNIVERSAL 3 IN	1	1	0.00	0.00	360.00	0.00	0.00	360.00

Note. A = quantity unchanged; B = quantity increase; C = quantity decrease; D = delete; E = add, deleted replacement item; F = add new item

Status	NSN	Supply description	AS qty	EESP qty	AS wt (lbs)	AS cube (cu ft)	AS cost	EESP wt (lbs)	EESP cube (cu ft)	EESP cost
A	6530011669036	TRAY INSTRUMENT 15X10.5X3.5IN PERF W/HANDLES	5	5	30.00	1.25	1,351.35	30.00	1.25	1,351.35
A	6530011676681	TRAY INSTRUMENT CRES 20X10.5X3.5IN PERFORATED WITH HANDLES	6	6	26.09	3.09	621.12	26.09	3.09	621.12
A	6515NCM041440	TRAY WITH LID BONE PLATE	1	1	0.00	0.00	355.00	0.00	0.00	355.00
A	6515NCM041441	TRAY WITH LID BONE PLATE	1	1	0.00	0.00	175.00	0.00	0.00	175.00
A	6515015497958	TUBE SUCTION SURG FUKUSHIMA 9FR 6.250IN LG TAPERED TEARDROP SS	1	1	0.06	0.76	195.84	0.06	0.76	195.84
A	6515015498228	TUBE SUCTION SURG SS TAPERED TEARDROP SHOR 6FR 6-1/4INLG	1	1	0.06	0.04	182.53	0.06	0.04	182.53
A	6515015498223	TUBE SUCTION SURG SS TAPERED TEARDROP SHOR 7FR 6-1/4INLG	1	1	0.06	0.04	190.71	0.06	0.04	190.71
A	6515015498372	TUBE SUCTION SURG SS TAPERED TEARDROP SJPRT 5FR 6-1/4IN LG	1	1	0.06	0.04	201.70	0.06	0.04	201.70
A	6515015498220	TUBE SUCTION SURGICICAL SS TAPERED TEARDRO SHORT 8FR 6-1/4INLG	1	1	2.00	0.04	184.09	2.00	0.04	184.09
D	6530012460156	WRAPPER STERILIZATION 54X54IN CTN GREEN 6S	18	0	165.24	10.80	1,746.90	0.00	0.00	0.00
A	6515015529314	WRENCH CINCH SCREWDRIVER INCOMPASS F/OPEN SCREWDRIVER TI	1	1	0.10	0.10	357.58	0.10	0.10	357.58
Medications										
C	6505010673977	BACITRACIN STERUSP 50000 UNITS PER BOTTLE	50	15	7.50	0.40	320.00	2.25	0.12	96.00
D	6505011277946	BUPIVACAINE HYDROCH INJ .50% 30ML VI 10S	1	0	1.90	0.20	21.45	0.00	0.00	0.00
A	6505014926420	DEXAMETHASONE SODIUM 4MG/ML 5ML VI 25S	1	1	0.25	0.35	31.62	0.25	0.35	31.62

Note. A = quantity unchanged; B = quantity increase; C = quantity decrease; D = delete; E = add, deleted replacement item; F = add new item

Status	NSN	Supply description	AS qty	EESP qty	AS wt (lbs)	AS cube (cu ft)	AS cost	EESP wt (lbs)	EESP cube (cu ft)	EESP cost
D	6505015053476	DIAZEPAM INJ 5MG/ML 2 ML 10S	1	0	0.20	0.10	19.85	0.00	0.00	0.00
B	6505015494718	FIBRIN SEALANT KIT 0.5ML	5	7	2.75	0.60	14,452.65	3.85	0.84	20,233.71
B	6505015494689	FIBRIN SEALANT KIT 1ML	2	4	1.10	0.24	7,568.56	2.20	0.48	15,137.12
A	6505015695234	FIBRIN SEALANT KIT 2ML STORE AT 2 DEG TO 25 DEG C DO NOT FREEZE	5	5	2.50	2.50	2,921.45	2.50	2.50	2,921.45
C	6505015149309	LIDOCAINE HCL INJ 10MG/ML 30ML	50	1	27.50	6.00	299.00	0.55	0.12	5.98
D	6505005986117	LIDOCAINE HCL INJ 2% 20MG/ML 20ML	2	0	1.00	1.39	18.46	0.00	0.00	0.00
C	6505015762767	LIDOCAINE HYDROCHLOCHLORIDE 2% AND EPINEPHRINE INJ .002% 1.7ML CART 50S	48	1	72.00	4.80	708.96	1.50	0.10	14.77
C	6505014554200	LIDOCAINE&EPINEPHRINE 1:100000 20ML VI	30	1	4.96	3.00	255.60	0.17	0.10	8.52
C	6505011253253	MANNITOL INJ 25% 50ML SINGLE DOSE VI 25S	30	1	5.82	3.00	1,077.30	0.19	0.10	35.91
C	6505005842338	PHENYTOIN SODIUM CAP EXTEND 100MG 1000S	25	1	30.00	2.50	5,710.25	1.20	0.10	228.41
C	6505013329024	PHENYTOIN SODIUM INJ 50MG/ML 5ML VI 25S	20	1	20.00	0.20	87.20	1.00	0.01	4.36
C	6505001612950	THROMBIN 5000 UNITS 5ML	33	2	4.95	0.20	159.06	0.30	0.01	9.64
Consumables										
C	6515NCM040994	ASPEN CERVICAL COLLAR ADU	5	1	0.00	0.00	625.00	0.00	0.00	125.00
C	6515NCM040996	ASPEN CERVICAL COLLAR ADU	5	1	0.00	0.00	625.00	0.00	0.00	125.00

Note. A = quantity unchanged; B = quantity increase; C = quantity decrease; D = delete; E = add, deleted replacement item; F = add new item

Status	NSN	Supply description	AS qty	EESP qty	AS wt (lbs)	AS cube (cu ft)	AS cost	EESP wt (lbs)	EESP cube (cu ft)	EESP cost
C	6515NCM040995	ASPEN CERVICAL COLLAR ADU	10	1	0.00	0.00	1,250.00	0.00	0.00	125.00
C	6515014687080	BAG DRAINAGE VENTRICULAR USED W/EXTERNAL DRAINAGE SYSTEM 5S	3	2	3.45	0.45	691.65	2.30	0.30	461.10
D	6510005827993	BANDAGE GAUZE ROLL 5YDX3IN 6 PLY 12S	2	0	2.08	2.00	19.98	0.00	0.00	0.00
D	6515006600010	BLADE SURG KNIFE DET NO.11 SMALL TANG 6S	2	0	0.20	0.20	0.96	0.00	0.00	0.00
D	6515010095295	BLADE SURG KNIFE DETACHABLE #10 150S	1	0	0.75	0.10	64.59	0.00	0.00	0.00
A	6515000431739	BLADE SURG KNIFE DETACHABLE NO.10 SMALL TANG U/W 3 7 9 HDL 150S	1	1	0.49	0.01	50.77	0.49	0.01	50.77
B	6515015514336	BONE PLATE 54.5MM MAXIMUM LG5 HOLE 0 DEG BIAS	2	3	0.66	0.22	3,313.62	0.99	0.33	4,970.43
B	6515015514335	BONE PLATE 46.5MM MAXIMUM LG5 HOLE 0 DEG BIAS	2	3	0.66	0.22	3,647.36	0.99	0.33	5,471.04
D	6515014201863	BONE PLATE BENDER 130MM LG A/A WIDTH MAXILLOFACIAL SURG	2	0	4.00	0.04	568.70	0.00	0.00	0.00
C	6515015487998	BRACE BACK SUPPORT APSEN TLSP SIZE LARGE/SHORT	4	1	12.00	0.22	4,863.12	3.00	0.06	1,215.78
C	6515015488027	BRACE BACK SUPPORT ASPEN TLSO BACK BRACE SIZE SHORT/SMALL	4	1	12.00	0.22	4,863.12	3.00	0.06	1,215.78
C	6515015487987	BRACE BACK SUPPORT POST-OP ASPEN TLSO BACK BRACE SZ TALL/SMALL	4	1	12.00	0.22	4,863.12	3.00	0.06	1,215.78
C	6515015487975	BRACE BACK SUPPORT SZ TALL/LG POST-OP ASPEN TLSO BACK BRACE	4	1	12.00	0.22	4,863.12	3.00	0.06	1,215.78
C	6515015497784	BUR SURG ACORN	25	18	125.00	125.00	337.50	90.00	90.00	243.00
C	6515015496510	BURR SURG BARRLE II HI-LINE XS 6.0 MM DISP	20	18	0.00	0.00	1,820.00	0.00	0.00	1,638.00

Note. A = quantity unchanged; B = quantity increase; C = quantity decrease; D = delete; E = add, deleted replacement item; F = add new item

Status	NSN	Supply description	AS qty	EESP qty	AS wt (lbs)	AS cube (cu ft)	AS cost	EESP wt (lbs)	EESP cube (cu ft)	EESP cost
C	6515015495761	BURR SURG DISP BARREL HI-LINE XS III 4.0MM DIAMETER USE/SURG HANDPIECE	20	18	11.00	2.40	2,098.00	9.90	2.16	1,888.20
C	6515015489869	BURR SURG DISP DIAMOND III XS D2.7MM USE/SURG HANDPIECE	20	18	0.11	0.07	2,540.40	0.10	0.06	2,286.36
C	6515015489858	BURR SURG DISP DIAMOND XS CRS I D 2.3MM USE W/SURG HANDPIECE	20	18	0.11	0.07	2,508.60	0.10	0.06	2,257.74
C	6515015494664	BURR SURG DISP HI LINE XS BARREL III 6 MM F/SURG HANDPIECE	20	18	11.00	2.40	21.20	9.90	2.16	19.08
C	6515015492546	BURR SURG DISP HI LINE XS DIAMOND II 2.7MM DIA F/SURG HANDPIECE	20	18	11.00	2.40	2,508.40	9.90	2.16	2,257.56
C	6515015494185	BURR SURG DISP HI LINE XS DIAMOND III 3.1MM DIA F/SURG HANDPIECE	20	18	11.00	2.40	2,508.40	9.90	2.16	2,257.56
C	6515015488479	BURR SURG DISP HI-LINE DIAMOND CRS III 2.3MM DIAMETER F/SURG HANDPIECE	20	18	11.00	2.40	2,508.60	9.90	2.16	2,257.74
C	6515015489015	BURR SURG DISP HI-LINE SX DIAMOND CRS II 2.3MM DIAMETER	20	18	6.60	2.20	2,508.60	5.94	1.98	2,257.74
C	6515015495722	BURR SURG DISP HI-LINE XS DIAMOND I 2.7MM DIA F/SURG HANDPCE	20	18	11.00	2.40	1,787.00	9.90	2.16	1,608.30
C	6515015496213	BURR SURG DISP HI-LINE XS 6.0MM ACORN II	20	18	0.07	15.11	1,959.60	0.06	13.60	1,763.64
C	6515015492058	BURR SURG DISP HI-LINE XS DIAMOND BURR D4.0MM	20	18	1.11	0.07	2,508.40	1.00	0.06	2,257.56
C	6515015495709	BURR SURG DISP HI-LINE XS DIAMOND I 3.1MM DIA F/SURG HANDPCE	20	18	11.00	2.40	1,971.40	9.90	2.16	1,774.26
C	6515015492111	BURR SURG DISP HI-LINE XS DIAMOND I 4MM DIA F/SURG HANDPIECE	20	18	11.00	2.40	2,508.40	9.90	2.16	2,257.56
C	6515015491139	BURR SURG DISP HI-LINE XS DIAMOND I 5MM DIA F/SURG HANDPIECE	20	18	11.00	2.40	2,508.60	9.90	2.16	2,257.74
C	6515015495717	BURR SURG DISP HI-LINE XS DIAMOND II 2.7MM DIA F/SURG HANDPC	20	18	11.00	2.40	1,787.00	9.90	2.16	1,608.30

Note. A = quantity unchanged; B = quantity increase; C = quantity decrease; D = delete; E = add, deleted replacement item; F = add new item

Status	NSN	Supply description	AS qty	EESP qty	AS wt (lbs)	AS cube (cu ft)	AS cost	EESP wt (lbs)	EESP cube (cu ft)	EESP cost
C	6515015491135	BURR SURG DISP HI-LINE XS DIAMOND II 5MM DIA F/SURG HANDPIECE	20	18	11.00	2.40	2,508.40	9.90	2.16	2,257.56
C	6515015495711	BURR SURG DISP HI-LINE XS DIAMOND III 2.7MM DIA F/SUG HANDPC	20	18	11.00	2.40	1,787.00	9.90	2.16	1,608.30
C	6515015491244	BURR SURG DISP HI-LINE XS DIAMOND III 3.1MM DIA F/SUR HANDPC	20	18	11.00	2.40	2,508.40	9.90	2.16	2,257.56
C	6515015495753	BURR SURG DISP HI-LINE XS DISP ROSEN II 2.3MM DIAM F/SURG HANDPCE	20	18	11.00	2.40	1,787.00	9.90	2.16	1,608.30
C	6515015495745	BURR SURG DISP HI-LINE XS ROSEN I 2.7MM DIA F/SURG HANDPIECE	20	18	11.00	2.40	1,787.00	9.90	2.16	1,608.30
C	6515015495756	BURR SURG DISP HI-LINE XS ROSEN ID2 2.3MM DIA F/SURG HANDPCE	20	18	11.00	2.40	1,787.00	9.90	2.16	1,608.30
C	6515015496005	BURR SURG DISP HI-LINE XS ROSEN II 2.7MM DIAMETER	20	18	11.00	2.40	425.40	9.90	2.16	382.86
C	6515015495211	BURR SURG DISP I DIAMOND HI-LINE XS DIA- 2.3MM	20	18	1.11	0.05	1,787.00	1.00	0.05	1,608.30
C	6515015495342	BURR SURG DISP I ROSEN HI-LINE XS DIA-4.0MM	20	18	1.11	0.05	1,971.40	1.00	0.05	1,774.26
C	6515015495510	BURR SURG DISP I ROSEN HI-LINE XS DIA-3.1MM	20	18	1.11	0.05	1,971.40	1.00	0.05	1,774.26
C	6515015495258	BURR SURG DISP I ROSEN HI-LINE XS DIA-5.0MM	20	18	1.11	0.05	1,971.40	1.00	0.05	1,774.26
C	6515015495206	BURR SURG DISP II DIAMOND HI-LINE XS DIA- 2.3MM	20	18	1.11	0.05	2,382.40	1.00	0.05	2,144.16
C	6515015495505	BURR SURG DISP II ROSEN HI-LINE DIA-3.1MM	20	18	1.11	0.05	1,971.40	1.00	0.05	1,774.26
C	6515015495244	BURR SURG DISP II ROSEN HI-LINE XS DIA 5.0MM	20	18	1.11	0.05	1,971.40	1.00	0.05	1,774.26
C	6515015495334	BURR SURG DISP II ROSENHI-LINE XS DIA-4.0MM	20	18	1.11	0.05	1,971.40	1.00	0.05	1,774.26

Note. A = quantity unchanged; B = quantity increase; C = quantity decrease; D = delete; E = add, deleted replacement item; F = add new item

Status	NSN	Supply description	AS qty	EESP qty	AS wt (lbs)	AS cube (cu ft)	AS cost	EESP wt (lbs)	EESP cube (cu ft)	EESP cost
C	6515015495200	BURR SURG DISP III DIAMOND HI-LINE XS DIA-2.3MM	20	18	1.11	0.05	1,787.00	1.00	0.05	1,608.30
C	6515015495221	BURR SURG DISP III ROSEN HI-LINE DIA 5.0MM	20	18	1.11	0.05	1,971.40	1.00	0.05	1,774.26
C	6515015495348	BURR SURG DISP III ROSEN HI-LINE XS DIA 3.1MM	20	18	1.11	0.05	1,971.40	1.00	0.05	1,774.26
C	6515015495286	BURR SURG DISP III ROSEN HI-LINE XS DIA-4.0MM	20	18	1.11	0.05	1,971.40	1.00	0.05	1,774.26
C	6515015488255	BURR SURG DISP ROSEN BURR III D2 3MM USE W/SURG HANDPIECE	20	18	0.11	0.07	2,286.80	0.10	0.06	2,058.12
C	6515015496219	BURR SURG HI-LINE XS 6.0MM ACORN I DISP	20	18	0.07	15.11	1,971.40	0.06	13.60	1,774.26
C	6515015497075	BURR SURG HI-LINE XS BARREL II 4.0MM DIA DISP	20	18	11.00	2.40	2,098.00	9.90	2.16	1,888.20
C	6515015541717	BURR SURG HI-LINE XS ROSEN BURR III D2.7MM DISP	20	18	0.11	0.91	2,382.40	0.10	0.82	2,144.16
C	6515014862077	CANISTER ASSY SUCT SURG PLASTIC 2000CC CAP LI	6	1	330.00	32.40	1,845.00	55.00	5.40	307.50
A	6515014671234	CANNULA BRAIN 9 FR; ANGULAR (90 DEG); WITH THUMB PIECE AND STYLET	4	4	4.40	0.12	282.64	4.40	0.12	282.64
D	6515010747812	CANNULA LARYN YANKAUER W/O CONT VENT 50S	1	0	3.02	1.00	40.38	0.00	0.00	0.00
D	6510010854742	CELLULOSE OXIDIZED REGEN 8X4IN SURGICEL 24S	1	0	0.50	0.50	1,321.02	0.00	0.00	0.00
C	6515012771558	CERVICAL UNIT TRACTION APPARATUS HALO MEDIUM 20-23 IN CRS	6	1	6.00	0.01	3,216.18	1.00	0.00	536.03
B	6515012884414	CLIP ANEURYSM YASARGIL PERMANENT MINI CRVD 5MM LG 3.8MM JAWS	1	5	0.04	0.00	323.06	0.20	0.02	1,615.30
B	6515012884415	CLIP ANEURYSM YASARGIL PERMANENT MINI CRVD 7MM LG 4.4MM JAWS	1	5	0.04	0.00	310.12	0.20	0.02	1,550.60

Note. A = quantity unchanged; B = quantity increase; C = quantity decrease; D = delete; E = add, deleted replacement item; F = add new item

Status	NSN	Supply description	AS qty	EESP qty	AS wt (lbs)	AS cube (cu ft)	AS cost	EESP wt (lbs)	EESP cube (cu ft)	EESP cost
B	6515012883492	CLIP ANEURYSM YASARGIL PERMANENT MINI STRONGLY CURVED 7MM LG 4MM JAWS	1	5	0.04	0.00	310.12	0.20	0.02	1,550.60
B	6515012885440	CLIP ANEURYSM YASARGIL STD SLIGHTLY CRVD 15MM LG 8.7MM JAWS STER	1	5	0.04	0.00	310.12	0.20	0.02	1,550.60
B	6515012883495	CLIP ANEURYSM YASARGIL TEMPORARY STD FULL CURVE 9MM LG 6.7MM JAW	1	5	0.04	0.00	310.12	0.20	0.02	1,550.60
C	6515012104484	CLIP HEMOSTATIC RAINEY STEEL 12S	4	2	0.48	0.05	60.76	0.24	0.02	30.38
C	6515011535357	CLIP HEMOSTATIC RANEY SCALP NYLON DISP 200S	2	1	2.00	0.22	286.90	1.00	0.11	143.45
A	6515011562603	CLIP HEMOSTATIC SMALL 2.5MM LG OPEN 3MM CLOSED STEAM STER 36S	1	1	0.29	0.05	191.40	0.29	0.05	191.40
C	6515009310708	CLIP HEMOSTATIC TANTALUM REPLACEMENT F/6515-00-014-3926 250S	2	1	0.12	8.68	275.64	0.06	4.34	137.82
A	6515013006565	CLIP HEMOSTATIC WECK MEDIUM SIZE PREFORMED TITANIUM STER 200S	1	1	0.25	0.00	148.32	0.25	0.00	148.32
B	6510014537267	COLLAGEN HEMOSTATIC ABS 1GM 6S	2	3	2.00	2.00	1,408.90	3.00	3.00	2,113.35
B	6510015489117	COLLAGEN HEMOSTATIC RECTANGULAR 35MMX35MM MICROFIBRILLAR 6S	1	3	0.55	0.11	643.11	1.65	0.33	1,929.33
B	6510015489104	COLLAGEN HEMOSTATIC RECTANGULAR 70MMX35MM SHEET MICROFIBRILLAR 6S	1	3	0.55	0.12	1,185.03	1.65	0.36	3,555.09
B	6515015517267	CONNECTOR SPINAL ADJUSTABLE TITANIUM 39.5-44MM SHORT	1	2	0.05	0.02	3,432.80	0.10	0.04	6,865.60
B	6515015516622	CONNECTOR SPINAL ADJUSTABLE TITANIUM MEDIUM 43MM TO 51MM	2	3	0.08	0.04	6,865.60	0.12	0.06	10,298.40
B	6515015516700	CONNECTOR SPINAL FIXED DISTANCE TITANIUM 20MM L X 5.5MM DIA	1	2	0.04	0.02	2,979.86	0.08	0.04	5,959.72
B	6515015516674	CONNECTOR SPINAL FIXED DISTANCE TITANIUM 25MM L 5.5MM DIA	1	2	0.02	0.01	2,979.86	0.04	0.02	5,959.72

Note. A = quantity unchanged; B = quantity increase; C = quantity decrease; D = delete; E = add, deleted replacement item; F = add new item

Status	NSN	Supply description	AS qty	EESP qty	AS wt (lbs)	AS cube (cu ft)	AS cost	EESP wt (lbs)	EESP cube (cu ft)	EESP cost
B	6515015520561	CONNECTOR SPINAL ROD TITANIUM 30MM X 5.5MM	1	2	0.03	0.02	2,979.86	0.06	0.04	5,959.72
B	6515015518049	CONNECTOR SPINAL ROD TITANIUM ADJUSTABLE 50-65MM LONG 5.5MM DIA	1	2	0.03	0.02	3,432.80	0.06	0.04	6,865.60
B	6515015520367	CONNECTOR SPINAL ROD TITANIUM RIGID 5.5MM X 125MM	4	6	0.16	0.08	3,337.44	0.24	0.12	5,006.16
C	6515012694218	CORD BIPOLAR FORCEP 12 FT FOOT-SWITCHING 50S	2	1	3.00	1.30	325.00	1.50	0.65	162.50
C	6515015495765	CUTTER CRANIOTOME I HI LINE XS DISP	20	5	11.00	2.40	2,773.00	2.75	0.60	693.25
C	6515015496013	CUTTER CRANIOTOME II HI-LINE XS DISP	20	5	11.00	2.40	2,773.00	2.75	0.60	693.25
C	6515015496009	CUTTER CRANIOTOME III HI-LINE XS DISP	20	5	11.00	2.40	2,773.00	2.75	0.60	693.25
C	6515015496161	CUTTER LINDEMANN II HI-LINE XS 12MM DISP	20	5	7.00	2.20	3,458.20	1.75	0.55	864.55
C	6515015496038	CUTTER LINDEMANN II HI-LINE XS 20MM DISP	20	5	11.00	2.40	2,773.00	2.75	0.60	693.25
C	6515015496500	CUTTER NEUROSURG II HI-LINE XS 2.3 MM DISP	20	5	1.11	15.11	1,710.00	0.28	3.78	427.50
B	6515015496236	CUTTER NEUROSURG II HI-LINE XS 3.1 MM DISP	20	26	1.11	15.11	1,971.40	1.44	19.64	2,562.82
C	6515015496284	CUTTER NEUROSURG II HI-LINE XS 3.1MM DISP	20	5	1.11	15.11	1,971.40	0.28	3.78	492.85
C	6515015496171	CUTTER PIN POINT II HI-LINE XS 1.0MM DISP	20	5	7.00	2.20	2,305.60	1.75	0.55	576.40
D	6515014203137	CUTTER PLATE MAXILLOFACIAL SURGERY USE WITH LUER SYSTEM	1	0	1.50	0.04	1,214.23	0.00	0.00	0.00
D	6515003245500	DEPRESSOR TONGUE 6X0.75X0.062IN STRAIGHT 100S	1	0	0.67	0.10	3.08	0.00	0.00	0.00

Note. A = quantity unchanged; B = quantity increase; C = quantity decrease; D = delete; E = add, deleted replacement item; F = add new item

Status	NSN	Supply description	AS qty	EESP qty	AS wt (lbs)	AS cube (cu ft)	AS cost	EESP wt (lbs)	EESP cube (cu ft)	EESP cost
A	6515013587147	DRAINAGE UNIT EXTERNAL 75ML DRIP CHAMBER W/ANTI REFLUX VALVE	2	2	4.00	0.80	388.80	4.00	0.80	388.80
B	6515015497613	DURAL GRAFT MATRIX COLLAGEN 2IN X 2IN 5S	2	3	1.00	1.51	5,256.54	1.50	2.27	7,884.81
B	6515015496978	DURAL GRAFT MATRIX DURAGEN 4IN X 5IN	1	3	3.00	0.00	1,891.62	9.00	0.01	5,674.86
B	6515015496988	DURAL GRAFT MATRIX DURAGEN 3IN X 3IN	1	3	3.00	0.00	4,780.88	9.00	0.01	14,342.64
D	6515012219399	ELECTRODE COAG PENCIL 1IN BLADE 50S	1	0	0.20	0.20	243.00	0.00	0.00	0.00
A	6515011680441	EVACUATOR SURG WOUND .125IN OD 400ML 6IN LG NEEDLE 10S	2	2	0.05	0.07	407.62	0.05	0.07	407.62
B	6510012193863	GELATIN FILM ABSORBABLE USP 5X4IN STERNONANTIGENIC	10	22	6.50	0.11	3,066.80	14.30	0.24	6,746.96
D	6510000802053	GELATIN SPONGE 6X2X.7CM PEEL-OPEN 12S	1	0	0.10	0.10	76.22	0.00	0.00	0.00
D	6510000802054	GELATIN SPONGE ABSORBABLE GELFOAM 1X3IN 6S	1	0	1.00	1.00	187.91	0.00	0.00	0.00
D	6515015196348	GLOVE SURG LATEX PWDRFREE SZ 7.5 GAUNT 50S	2	0	10.00	0.25	284.98	0.00	0.00	0.00
A	6515015196337	GLOVE SURGEON LATEX & POWDER FREE 7 STER 200S	1	1	5.00	0.13	569.52	5.00	0.13	569.52
D	6515015196347	GLOVE SURGEON LATEX & POWDER FREE 8 STER 50S	2	0	10.00	0.25	284.98	0.00	0.00	0.00
C	6515000828264	LUMBAR PUNCTURE KIT 20 COMP W2.5ML SYR 20S	2	1	44.00	5.74	267.34	22.00	2.87	133.67
B	6515015486824	MODULE CRANIAL F/TITANIUM IMPLANTS 1.3MM F/MAXILLOFACIAL SURGERY	1	3	1.00	0.01	1,435.70	3.00	0.02	4,307.10
C	6515014498286	NEEDLE AND GUARD HYPODERMIC 25 GA X 5/8IN LG 500	2	1	1.23	0.18	100.46	0.62	0.09	50.23

Note. A = quantity unchanged; B = quantity increase; C = quantity decrease; D = delete; E = add, deleted replacement item; F = add new item

Status	NSN	Supply description	AS qty	EESP qty	AS wt (lbs)	AS cube (cu ft)	AS cost	EESP wt (lbs)	EESP cube (cu ft)	EESP cost
C	6515007542834	NEEDLE HYPO 18GAX1.5IN LUER LOCK 100S	2	1	1.32	0.20	22.54	0.66	0.10	11.27
C	6515001817404	NEEDLE HYPO DENTAL 25GA SELF-THREAD 100S	2	1	1.50	0.07	16.24	0.75	0.03	8.12
C	6515015261730	NEEDLE HYPO GP 25GA X1IN SAFETY SHIELD 50S	4	2	22.20	14.60	88.00	11.10	7.30	44.00
A	6515012725098	NEEDLE SPINAL LUER LOCK 18GA STER DISP 25S	1	1	0.50	0.03	115.16	0.50	0.03	115.16
D	6510007863736	PAD ISOPROPYL ALCOHOL IMPREGNATED WHITE 200S	3	0	3.00	0.30	8.70	0.00	0.00	0.00
D	7530011245660	PAD WRITING PAPER RULED 11X8.5IN 100SH/PAD 12	2	0	21.00	0.50	41.10	0.00	0.00	0.00
B	6515015524155	PEDICLE SOUNDER STRAIGHT F/SPINAL SURGERY	1	2	1.00	0.02	834.36	2.00	0.03	1,668.72
C	6515014678961	PIN BONE CRS MAYFIELD DISP STER SGL USE 12S	5	1	1.75	0.25	1,259.10	0.35	0.05	251.82
B	6515015520328	PLATE BONE SPINAL 3 HOLE 0 DEG BIAS 29.5MM LONG	4	6	0.16	0.08	6,436.52	0.24	0.12	9,654.78
B	6515015520379	PLATE BONE SPINAL 3 HOLE 0 DEG. BIAS 21.5MM LONG	4	6	0.12	0.04	6,436.52	0.18	0.06	9,654.78
B	6515015518071	PLATE BONE SPINAL 3 HOLE SPINAL 0 DEG. BIAS 33.5MM	4	6	0.16	0.08	6,436.52	0.24	0.12	9,654.78
B	6515015516217	PLATE BONE SPINAL 4 HOLE 0 DEG. BIAS 45.5MM LG	4	6	0.20	0.12	6,817.96	0.30	0.18	10,226.94
B	6515015516044	PLATE BONE SPINAL 4 HOLE 0 DEG. BIAS 49.5MM LG	4	6	0.20	0.12	6,817.96	0.30	0.18	10,226.94
B	6515015518067	PLATE BONE SPINAL 4 HOLE 37.5MM 0 DEG.BIAS	4	6	0.12	0.08	6,817.96	0.18	0.12	10,226.94
B	6515015518388	PLATE BONE SPINAL 5 HOLE 0 DEG BIAS 70.5MM LG	2	3	0.06	0.04	3,647.36	0.09	0.06	5,471.04

Note. A = quantity unchanged; B = quantity increase; C = quantity decrease; D = delete; E = add, deleted replacement item; F = add new item

Status	NSN	Supply description	AS qty	EESP qty	AS wt (lbs)	AS cube (cu ft)	AS cost	EESP wt (lbs)	EESP cube (cu ft)	EESP cost
B	6515015516205	PLATE BONE SPINAL 5 HOLE 0 DEG. BIAS 50.5MM LG	2	3	0.10	0.06	2,136.44	0.15	0.09	3,204.66
B	6515015516225	PLATE BONE SPINAL 5 HOLE 0 DEG. BIAS 58.5MM LG	2	3	0.10	0.06	3,647.36	0.15	0.09	5,471.04
B	6515015516324	PLATE BONE SPINAL 5 HOLE 0 DEG. BIAS 66.5MM LG	2	3	0.10	0.06	3,647.36	0.15	0.09	5,471.04
B	6515015520501	PLATE BONE SPINAL 5-HOLES 62.5MM LG 0 DEG BIAS	2	3	0.02	0.02	3,647.36	0.03	0.03	5,471.04
B	6515015514553	PLATE BONE SPINAL UNISON 4-HOLES 0 DEG BIAS 41.5MM LG	4	6	0.40	0.12	6,817.96	0.60	0.18	10,226.94
B	6515015486928	PLATE IMPLANT MAXILLOFACIAL SURG 1.3MM TI 2HOLES STRAIGHT PLATE	0	1	0.00	0.00	0.00	0.06	0.00	53.64
B	6515015485850	PLATE IMPLANT MAXILLOFACIAL SURGERY	0	1	0.00	0.00	0.00	0.01	0.00	3,107.81
B	6515015480897	PLATE MESH CONTOURABLE RIGID 1.3MM 100MM X 100MM TITANIUM	2	3	0.11	0.01	6,215.62	0.17	0.02	9,323.43
B	6515015481004	PLATE MESH CONTOURABLE RIGID 1.3MM 200MM X 200MM TITANIUM	2	3	2.11	0.01	22,609.28	3.17	0.02	33,913.92
C	6515014997978	PLATE SKULL SURG 1.3MM TITANIUM BOX ORTHO 13MMX13MM 4 HOLES	6	3	0.72	0.72	1,097.40	0.36	0.36	548.70
C	6515015044396	PLATE SKULL SURG 1.3MM TITANIUM CRANIAL STR 21MM X 3.2MM 4 HOLES	6	3	0.30	0.30	343.50	0.15	0.15	171.75
C	6515015044413	PLATE SKULL SURG 1.3MM TITANIUM X-PLATE 4 HOLES 15MM X 15MM	6	3	0.36	0.36	1,180.44	0.18	0.18	590.22
C	6515014997991	PLATE SKULL SURG ADAPTION ORTHO 1.3MM TITANIUM 95MM LG 24 HOLES	6	3	1.68	1.20	3,823.98	0.84	0.60	1,911.99
C	6515014997981	PLATE SKULL SURG BOX ORTHO 1.3MM TITANIUM 13X8MM 4 HOLES	6	3	0.72	0.72	1,097.40	0.36	0.36	548.70
C	6515015055357	PLATE SKULL SURG COVER BURR 6-HOLE 1.3MM THK 12MM DIA TITANIUM	6	3	0.54	0.18	1,595.40	0.27	0.09	797.70

Note. A = quantity unchanged; B = quantity increase; C = quantity decrease; D = delete; E = add, deleted replacement item; F = add new item

Status	NSN	Supply description	AS qty	EESP qty	AS wt (lbs)	AS cube (cu ft)	AS cost	EESP wt (lbs)	EESP cube (cu ft)	EESP cost
C	6515015044406	PLATE SKULL SURG COVER BURR HOLE 17MM DIA X .5MM 6 HOLES TITANIUM	6	3	0.30	0.30	1,595.40	0.15	0.15	797.70
C	6515014997684	PLATE SKULL SURG STRUT ORTHO 43MM X 1.3MM 18 HOLES TITANIUM	3	2	1.65	0.05	1,309.53	1.10	0.03	873.02
C	6515014997681	PLATE SKULL SURG Y PLATE DOUBLE ORTHO 1.3MM 1 HOLE ARM TITANIUM	6	3	3.30	0.09	1,189.62	1.65	0.05	594.81
C	6515015044403	PLATE SKULL SURG Y-PLATE 1 HOLE EA ARM X 3 HOLES SHAFT 1.3MM DIA	6	3	0.30	0.30	1,318.74	0.15	0.15	659.37
A	6515014704192	PLATING SYSTEM SET ANTERIOR CERVICAL	1	1	1.75	0.33	55,904.04	1.75	0.33	55,904.04
B	6515014662661	PRESSURE MONITORING DISP ICP MONITORING LINE 62IN LG W/FEMALE LEUR	12	36	7.80	1.80	1,000.56	23.40	5.40	3,001.68
D	6515013225898	RAZOR SURG PREP PLAS 100S	1	0	0.20	0.10	42.00	0.00	0.00	0.00
A	6515011535462	RESIN ACRYLIC KIT CRANIAL	5	5	3.00	0.35	5,517.85	3.00	0.35	5,517.85
B	6515015520397	ROD FIXATION SPINAL 5.5MM BY 50MM TITANIUM	4	6	0.08	0.08	2,288.52	0.12	0.12	3,432.78
B	6515015518922	ROD FIXATION SPINAL RIGID 5.5 X 75MM TITANIUM	4	6	0.16	0.08	2,669.96	0.24	0.12	4,004.94
B	6515015529918	ROD FIXATION SPINAL TRAIL ROD 5MM X 150MM SS	1	2	0.55	0.12	238.39	1.10	0.24	476.78
D	7510002051438	RUBBER BAND NO.19 0.25LB	6	0	6.00	0.60	2.40	0.00	0.00	0.00
B	6515003632700	SAW BONE CUTTING WIRE TWIST DRILL 20IN	8	30	0.24	0.02	133.84	0.90	0.09	501.90
B	6515015514544	SCREW SPINAL BONE PRIMARY 3.5MMX10MM NON-SELF TAPPING	6	9	0.06	0.06	2,932.20	0.09	0.09	4,398.30
C	6515015515513	SCREW BONE NON-SELF TAPPING BLUE 4MM X 16MM	4	3	0.12	0.12	2,050.16	0.09	0.09	1,537.62

Note. A = quantity unchanged; B = quantity increase; C = quantity decrease; D = delete; E = add, deleted replacement item; F = add new item

Status	NSN	Supply description	AS qty	EESP qty	AS wt (lbs)	AS cube (cu ft)	AS cost	EESP wt (lbs)	EESP cube (cu ft)	EESP cost
C	6515015516355	SCREW BONE NON-SELF TAPPING GREEN 3.5MM BY 14MM	10	8	0.20	0.10	4,887.00	0.16	0.08	3,909.60
C	6515015518194	SCREW BONE PRIMARY NON-SELF TAPPING GREEN 3.5MM X 16MM	4	3	0.08	0.04	1,954.80	0.06	0.03	1,466.10
C	6515015518691	SCREW BONE PRIMARY NON-SELF TAPPING GREEN 3.5X12MM	20	8	0.60	0.40	9,774.00	0.24	0.16	3,909.60
B	6515015513557	SCREW BONE RESCUE NON-SELF TAPPING BLUE 4X18MM	4	9	0.48	0.12	2,050.16	1.08	0.27	4,612.86
C	6515015524027	SCREW BONE SPINAL BONE POLYAXIAL OPEN 6.5MM X 50.0MM TITANIUM	4	3	0.02	0.06	12,873.00	0.02	0.05	9,654.75
C	6515015520349	SCREW BONE SPINAL NON-SELF TAPPING RESCUE BLUE 4X14MM	4	3	0.12	0.04	2,050.16	0.09	0.03	1,537.62
C	6515015516682	SCREW BONE SPINAL POLYAXIAL OPEN 5.5MM BY 35MM	4	3	0.08	0.04	12,873.00	0.06	0.03	9,654.75
C	6515015518677	SCREW BONE SPINAL RESCUE NON-SELF TAPPING BLUE 4X10MM	4	3	0.12	0.08	2,050.16	0.09	0.06	1,537.62
C	6515015515539	SCREW BONE SPINAL SURGERY NON-SELF TAPPING GREEN 3.5MMX18MM	4	3	0.16	0.12	1,954.80	0.12	0.09	1,466.10
C	6515015518688	SCREW BONE TITANIUM POLYAXIAL OPEN 4.5 X 30MM	6	3	0.18	0.12	19,309.50	0.09	0.06	9,654.75
C	6515015516345	SCREW BONE TITANIUM POLYAXIAL-OPEN 4.5MM BY 35MM	6	5	0.12	0.06	19,309.50	0.10	0.05	16,091.25
C	6515015517354	SCREW BONE TITANIUM SPINAL POLYAXIAL OPEN 5.5 X 40MM	6	5	0.12	0.18	19,309.50	0.10	0.15	16,091.25
C	6515015486891	SCREW CRANIAL ORAL-MAXILLOFACIAL SURG SELF-DRILLING 4MM LG 5S	10	2	10.00	0.56	5,676.60	2.00	0.11	1,135.32
C	6515015480930	SCREW CRANIAL ORAL-MAXILLOFACIAL SURGERY 5S	10	2	10.00	0.06	5,676.60	2.00	0.01	1,135.32
C	6515014996672	SCREW EMERGENCY MANDIBULAR ORTHO 5MM X 1.7MM SELF TAP TITANIUM 5S	2	1	0.90	0.01	776.18	0.45	0.01	388.09

Note. A = quantity unchanged; B = quantity increase; C = quantity decrease; D = delete; E = add, deleted replacement item; F = add new item

Status	NSN	Supply description	AS qty	EESP qty	AS wt (lbs)	AS cube (cu ft)	AS cost	EESP wt (lbs)	EESP cube (cu ft)	EESP cost
C	6515014996669	SCREW EMERGENCY MANIBULAR ORTHO 4MM X 1.7MM SELF TAP TITANIUM 5S	2	1	0.04	0.01	983.68	0.02	0.01	491.84
B	6515015514657	SCREW SPINAL BONE RESCUE SPINAL SURG 4.0MMX12MM NON-SELF TAPPING	4	6	0.04	0.04	2,050.16	0.06	0.06	3,075.24
B	6515015513562	SCREW SPINAL POLYAXIAL TITANIUM 6.5X45MM OPEN	8	9	0.96	0.24	25,746.00	1.08	0.27	28,964.25
B	6515015514334	SCREW SPINE POLYAXIAL TITANIUM 6.5MM MAX LNGTH 40MM MAX DIA OPEN	6	8	0.72	0.48	19,309.50	0.96	0.64	25,746.00
A	6510013641405	SPONGE SURG 1/2INX3IN 200S	2	2	40.00	5.40	610.04	40.00	5.40	610.04
D	6510001161285	SPONGE SURG 12-PLY 4X8IN 80S	1	0	5.00	3.00	208.31	0.00	0.00	0.00
A	6510002619015	SPONGE SURG RAYON 0.5 X 0.5IN STER RADIOPAQUE 200S	2	2	1.20	3.20	158.50	1.20	3.20	158.50
C	6510011397547	SPONGE SURG RAYON NONWOVEN .25X.25IN PATTIE RADIOPAQUE 200S	3	2	0.03	0.00	687.03	0.02	0.00	458.02
C	6510011397542	SPONGE SURG RAYON RADIOPAQ 1X3IN WHITE 200S	3	2	0.03	0.00	193.68	0.02	0.00	129.12
C	6510011139209	SPONGE SURG RAYON WHITE 1X1IN STRUNG 200S	3	2	3.18	0.83	179.61	2.12	0.56	119.74
D	6515015313576	STAPLER SKIN SURG 35 STAPLE 6S	2	0	31.11	7.11	136.30	0.00	0.00	0.00
D	6515008648864	STOPCOCK IV 3-WAY LUER MALE 20-30IN 50S	1	0	2.00	0.20	96.87	0.00	0.00	0.00
B	6515013324757	SUTURE ABS GYN/OB SZ 0 8 18IN STRANDS NDL CT-2 VICRYL ORDER BY 12S	3	8	0.03	0.00	590.16	0.08	0.01	1,573.76
D	6515010619871	SUTURE ABS SZ 3-0 30IN NDL SH B3 1/2 12S	1	0	0.20	0.20	87.12	0.00	0.00	0.00
B	6515015485526	SUTURE ABSORBABLE SURG STER 8-SUTURES 12S	1	3	1.00	0.01	201.99	3.00	0.02	605.97

Note. A = quantity unchanged; B = quantity increase; C = quantity decrease; D = delete; E = add, deleted replacement item; F = add new item

Status	NSN	Supply description	AS qty	EESP qty	AS wt (lbs)	AS cube (cu ft)	AS cost	EESP wt (lbs)	EESP cube (cu ft)	EESP cost
B	6515014825679	SUTURE ABSORBABLE SURG VIOLET 8INMIN - 18IN MAX LG	3	8	6.00	0.12	744.78	16.00	0.33	1,986.08
C	6515003307179	SUTURE NONABS 1-0 30IN SURG ARMED MONO 36S	2	1	0.50	0.06	134.72	0.25	0.03	67.36
C	6515011399115	SUTURE NONABS 2-0 18IN SURG UNARM MONO 12S	5	3	0.75	0.04	369.20	0.45	0.02	221.52
C	6515002277897	SUTURE NONABS 3-0 30IN SURG NYLON NYLON 36S	12	4	0.12	0.01	294.72	0.04	0.00	98.24
D	6515011272193	SUTURE NONABS 6-0 18IN SURG SGL ARM MONO 12S	1	0	0.50	0.10	134.84	0.00	0.00	0.00
C	6515011721108	SUTURE NONABS GEN SURG PROC 30IN LG B3 1/2 CIR CRS/PLAS GREEN 36S	12	5	3.00	0.17	2,726.16	1.25	0.07	1,135.90
A	6515011690246	SUTURE NONABS OPHTH SZ 8-0 12IN LG B1 1/4 CIR CRS/NYLON BLACK 12S	5	5	6.25	5.00	1,135.60	6.25	5.00	1,135.60
B	6515012259232	SUTURE NONABS SURG PLAS SZ 4-0 18IN NDL P-3 BLUE 12S	12	15	5.76	1.20	995.28	7.20	1.50	1,244.10
C	6515012586413	SUTURE NONABS SURG PLASTIC SURG SZ 4-0 18IN LG NYLON SGL ARMED 24S	20	8	6.00	1.25	12,313.60	2.40	0.50	4,925.44
C	6515011271652	SUTURE NONABS SURG SZ 3-0 18INLG UNARMED MONO CRS NATURAL STER 12S	5	3	3.97	0.48	268.60	2.38	0.29	161.16
B	6515002867039	SUTURE NONABS SZ 2-0 2.50FT B3 1/2 CIRCLE PLAS BLUE ORDER BY 3S	2	3	0.88	0.03	240.32	1.32	0.04	360.48
A	6515011643038	SYRINGE HYPO 50 OR 60ML W/O NDL 100S	1	1	10.00	0.46	40.13	10.00	0.46	40.13
B	6515011656742	SYRINGE HYPO GP 30ML LUER LOCK TIP DISP 25S	1	2	0.60	0.29	7.63	1.20	0.58	15.26
A	6515002809681	SYRINGE IRRIGATING BULB 60CC/2 OZ CAP TWO- PIECE FLAT BOTTOM 50S	1	1	0.50	0.02	227.48	0.50	0.02	227.48
D	6510009268882	TAPE ADHESIVE SURG POROUS WOVEN 1INX10YD 12S	2	0	2.08	0.08	35.14	0.00	0.00	0.00

Note. A = quantity unchanged; B = quantity increase; C = quantity decrease; D = delete; E = add, deleted replacement item; F = add new item

Status	NSN	Supply description	AS qty	EESP qty	AS wt (lbs)	AS cube (cu ft)	AS cost	EESP wt (lbs)	EESP cube (cu ft)	EESP cost
D	6510009268883	TAPE ADHESIVE SURG WOVEN 2INX10YD 6S	1	0	1.07	1.00	14.24	0.00	0.00	0.00
B	6515015523838	TOP CLOSURE WITH STARTER HOLE 5.5MM TITANIUM	30	60	90.00	1.37	15,018.60	180.00	2.73	30,037.20
B	6530015480870	TRAY SKIN SCRUB GEL W/NITRILE GLOVES 20S	1	2	12.10	0.06	141.05	24.20	0.11	282.10
B	6515011931674	TUBE CONNECTING SURG APPARATUS SUCTION PLASTIC STR 3/16INX10F 50S	1	2	0.10	0.20	73.78	0.20	0.40	147.56
A	6515013852013	TUBE DRAINAGE SURGICAL PENROSE 12X3/8IN 200S	1	1	5.20	1.40	77.09	5.20	1.40	77.09
B	6515015497136	TUBE SUCTION SURG NEUROSURG TAPERED 4FR 6-1/4IN SS	1	4	1.00	0.00	199.24	4.00	0.01	796.96
A	6515014671233	TUBE SUCTION SURG PLASTIC; DISPOSABLE; FRAZIER DESIGN; 7.5 IN.; 9 FR	4	4	2.20	0.06	272.68	2.20	0.06	272.68
A	6515014671153	TUBE SUCTION SURG PLASTIC; DISPOSABLE; FRAZIER DESIGN; 7;5 IN.; 7 FR	4	4	2.20	0.06	141.52	2.20	0.06	141.52
C	6515014214279	VENTRICULOSTOMY KT C/O PALM GRIP DRILL W/4SPACER CLIPSGUIDE BASE	2	1	3.00	0.80	1,266.48	1.50	0.40	633.24
C	6515012771554	VEST ASSY HALO TRACTION APPAR CERVICAL IMMOBILIZATION LGE 40-46IN	2	1	16.80	5.10	1,749.60	8.40	2.55	874.80
C	6515012771556	VEST ASSY HALO TRACTION APPAR CERVICAL IMMOBILIZATION MED 33-40IN	8	1	60.00	20.20	6,998.40	7.50	2.53	874.80
C	6515012771555	VEST ASSY HALO TRACTION APPAR SMALL 26 TO 33IN TWO-PIECE	3	1	20.40	3.26	2,624.40	6.80	1.09	874.80
C	6515009652511	WAX BONE 57-62.8 DEG CELS PLAS ALM 2.5 GM 12S	20	5	5.00	0.38	958.60	1.25	0.10	239.65
D	6530015601021	WRAPPER STERILIZATION POLYPR GRN 36X36IN 150S	1	0	5.00	18.00	179.00	0.00	0.00	0.00

Note. A = quantity unchanged; B = quantity increase; C = quantity decrease; D = delete; E = add, deleted replacement item; F = add new item

REPORT DOCUMENTATION PAGE

The public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB Control number. **PLEASE DO NOT RETURN YOUR FORM TO THE ABOVE ADDRESS.**

1. REPORT DATE (DD MM YY) 18 11 10		2. REPORT TYPE Technical Document		3. DATES COVERED (from – to) Jan–Oct 2010	
4. TITLE : Air Force Operational Medicine: Using the Enterprise Estimating Supplies Program to Develop Materiel Solutions for the Medical Neurosurgical Team (FFNEU)				5a. Contract Number: GS-09K-99BHD 5b. Grant Number: 5c. Program Element Number: 5d. Project Number: 9T7SDGIS006 5e. Task Number: 5f. Work Unit Number: 60334	
6. AUTHORS: Nix, Ralph E.; Hopkins, Curt C.; Wing, Vern				8. PERFORMING ORGANIZATION REPORT NUMBER 11-3C	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Commanding Officer Naval Health Research Center 140 Sylvester Rd San Diego, CA 92106-3521					
8. SPONSORING/MONITORING AGENCY NAMES(S) AND ADDRESS(ES) Commanding Officer Naval Medical Research Center 503 Robert Grant Ave Silver Spring, MD 20910-7500				10. SPONSOR/MONITOR'S ACRONYM(S) NMRC/NMSC	
Commander Navy Medicine Support Command P.O. Box 140 Jacksonville, FL 32212-0140				11. SPONSOR/MONITOR'S REPORT NUMBER(s)	
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution is unlimited.					
13. SUPPLEMENTARY NOTES N/A.					
14. ABSTRACT The Naval Health Research Center (NHRC) has used its modeling and simulation expertise to develop and update conventional U.S. Air Force medical assets since 2004. The objective of this study was to leverage medical modeling and simulation advantages to provide recommendations for allowance standard configurations based on the Air Force Medical Neurosurgical Team (FFNEU) operational and clinical requirements. NHRC analysts reviewed the FFNEU, analyzed clinical requirements with subject matter experts, and used modeling and simulation tools to develop an operationally-based and patient-driven recommended 917D line list. The Unit Type Code (UTC) capabilities, operational requirements, and materiel solutions were identified, addressing issues of modernization, clinical requirement, standardization, and redundancy. The UTC capabilities, operational requirements, and materiel solutions were identified, addressing issues of modernization, clinical requirement, standardization, and redundancy. In this study, the overarching rationales for change were deletions based on clinical requirements and redundancy. Fifty-five items were deleted, 53 of which were redundant. There was a significant decrease in overall weight (27.9%) and cube (25.2%), while overall cost was minimally unchanged per set.					
15. SUBJECT TERMS: modeling and simulation, Expeditionary Medical Knowledge Warehouse, EMedKW, allowance standard, U.S. Air Force, neurosurgical					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT UNCL	18. NUMBER OF PAGES 42	18a. NAME OF RESPONSIBLE PERSON Commanding Officer
a. REPORT UNCL	b. ABSTRACT UNCL	c. THIS PAGE UNCL			18b. TELEPHONE NUMBER (INCLUDING AREA CODE) COMM/DSN: (619) 553-8429