OPERATIONAL DEFINITIONS OF AMBULATORY CARE NURSING ACTIVITIES: PHASE II OF (U) NURSING SCHOOL, BETHESDA, MD. C. S. WARREN ET AL. APR 87. UNCLASSIFIED
Operational Definitions of Ambulatory Care Nursing Activities

Phase II of the Workload Management System for Nursing Ambulatory Care Project

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**Operational Definitions of Ambulatory Care Nursing Activities; Phase II of the Workload Management System for Nursing Ambulatory Care Project.**

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This manual identifies, categorizes, and codes common ambulatory care nursing activities in preparation for timing and workload measurement. This information will identify activities critical to the determination of nursing and Hospital Corps starting levels in emergency and outpatient departments of Navy Medical treatment facilities.
OPERATIONAL DEFINITIONS
OF AMBULATORY CARE
NURSING ACTIVITIES

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CHAPTER I

THE CODING SYSTEM OF
AMBULATORY CARE NURSING ACTIVITIES

The Workload Management System for Nursing (WMSN) is a patient classification/staffing system operational in the inpatient areas of 36 Navy and 50 Army hospitals. The Ambulatory Care Project hopes to extend the WMSN into the emergency and outpatient departments of shore based Naval medical treatment facilities.

In preparation for work measurement studies the operational defining of direct care nursing activities nursing experts were consulted and a literature review was conducted (Calkin, Wallace, Chewning, & Gustafson, 1975; Jenkins & van de Leuv, 1978; Kukuk & Murphy, 1980; Sherrod, Rauch, & Twist, 1981; and Naval Medical Command, 1985). In addition, a survey of 567 registered nurses working in emergency and outpatient departments of Naval medical treatment facilities was conducted in FY 86 (Warren, Styer, & Sturm, 1987). The coding system was developed to simplify identification of activities for timing on laptop computers. The operational definitions are followed by a five or six digit code (S xxxx) or (S xxxx r) which corresponds to the code assigned by Sherrod in the Army WMSN inpatient nursing activity study (See Appendix A).
The four digit code refers to the clinical area (A-Z), the type of activity (1-9 plus 0 for Specialty procedures), and the alphabetized list of activities (1-99).

This manual consists of definitions of activities in the following clinical areas studied in FY 87:

- Emergency Department
- Gastroenterology Clinic
- Immunization/Allergy Clinic
- Internal Medicine Clinic
- Obstetrics/Gynecology Clinic
- Orthopedic Clinic
- Pediatric Clinic
- Primary Care Clinic (FPC, MSC, Acute Care)
- Surgery Clinic (Gen., Plastic)

Activities found only in specialized areas are defined in the manual under Specialty Procedures. Activities found commonly in several clinical areas are described in ten areas of responsibility:

- x100 - Log In/Out
- x200 - Weights/Measures
- x300 - Assessment
- x400 - Transport/Safety
- x500 - Gen Procedures/Ttrmts
- x600 - Instruction/Teaching
- x700 - Diagnostic/Tests
- x800 - Medications/IV therapy
- x900 - Emergency Procedures
- x000 - Specialty Procedures
The activities to be timed are listed alphabetically and numbered consecutively under the general area of responsibility: eg., x101, x102, 103.... Observers enter the appropriate clinic letter in place of the "x:"

A000 - Aviation Medicine
B000 - Blood Bank
C000 - Cardiology
D000 - Dermatology
E000 - Emergency Dept
F000 - Gastroenterology
G000 - Hematology/Oncology
H000 - Immunization/Allergy
I000 - Int.Medicine/Endocrin.
J000 - Nephrology
K000 - Neurology
L000 - NP/Alcohol Recovery
M000 - Obstetrics/Gynecology
N000 - Occupational Health
O000 - Ophthalmology
P000 - Oral Surgery
Q000 - Orthopedic
R000 - Otolaryngology
S000 - Pediatric
T000 - Physical Exam Clinic
U000 - PCC/FPC/MSC/MAC
V000 - Pulmonary
W000 - Rheumatology
X000 - Surg.(Gen/Plas/Neuro)
Y000 - Urology
Z000 - Other

Although not explicitly stated, definitions should be understood to incorporate the following:

(1) necessary medications, supplies, or equipment are gathered and calibrated, appropriate preliminary paperwork is accomplished, and hands are washed;
(2) the patient is appropriately screened for privacy and correctly identified;

(3) the person giving the care explains to the patient or significant other what the caregiver is going to do;

(4) the transportation of specimens, chart or the patient is accomplished

(5) equipment is removed (when indicated), the patient care area is straightened, and hands are washed;

(6) observations and procedures are documented.
CHAPTER II

x100 - LOG IN/OUT

CODE

x101 CLINIC LOG-IN PROCESS: confirm appointment time and provider; screen for eligibility; put patient information in clinic log; stamp SF600 and place in chart; give urinalysis chit and supplies to patient with complaint of UTI; place chart with time of appointment and provider's name on it in queue.

x102 DISCHARGE AGAINST MEDICAL ADVICE FROM ER: RN assesses chief complaint; reports to medical officer; provides appropriate information, forms, documentation; assures mental competence of patient prior to release.

x103 DISCHARGE FROM ER: check Emergency Treatment Record (ETR) for completeness (i.e. Doctor's signature, discharge instructions, etc.). Obtain any pertinent handouts (instructions). Explain instructions to patient. Give any necessary equipment or prescriptions. Have patient sign ETR indicating receipt of instructions.

x104 ELIGIBILITY SCREENING: ask patient for outpatient card and ID card, explain how to enter the system if not currently enrolled. Direct patient to appropriate office for initiation of outpatient card and chart.

x105 ER LOG-IN: eligibility screen, triage, history, Vital Signs (VS), documentation; escort patient to exam area; instruct patient; notify appropriate staff.

x106 PATIENT CHECK-OUT PROCESS: stamp all prescriptions and lab chits, give directions to the various areas where tests and studies will be performed, provide instructions (hand-outs) for the tests ordered, make follow-up appointment if indicated; inform where to obtain prescriptions, supplies.

x107 PATIENT TRIAGE/ELIGIBILITY SCREEN: eligibility screening and prioritizing the patient to be seen without appointment according to acuteness of need; includes determination of problem and referral or instructions.
PATIENT TRIAGE STRETCHER/WHEELCHAIR PATIENT: takes and records chief complaint; vital signs; ascertains medical priority, transfers patient to gurney, moves patient to appropriate area in emergency department, and alerts appropriate personnel.

PREPARATION FOR ADMISSION TO CRITICAL BED: gather all paperwork for patient (flowsheet, emergency treatment record, neuro checks, etc.); call report to unit; obtain portable cardiac monitor, apply leads; obtain portable oxygen and hook up to patient. Obtain any other equipment for transfer. Arrange for ancillary help to escort patient (e.g. corpsmen, nurse, physician, etc.). Inventory clothing, valuables, etc.; enter patient on 24 hour report.

PREPARATION FOR ADMISSION TO NON-CRITICAL BED: gather all paperwork for patient. Gather clothing and valuables, inventory. Call report to ward. Gather any equipment necessary to transfer patient (e.g. portable oxygen). Record entry on unit reports.

PREPARATION FOR PATIENT TRANSFER TO OTHER FACILITY: photocopy all pertinent paperwork to transfer with patient (including lab, checks and x-rays). Obtain necessary transfer personnel and equipment. Call to arrange for vehicle to transfer patient. Call receiving facility to give report on patient to receiving nurse. Add patient as entry on ward report.

PRESCRIPTION RENEWAL: obtain patient chart, take V.S. and document; take chart/request to physician or provider; instruct patient; return prescription to patient and assess patient's understanding of therapy; instruct patient as needed.

RECEIVING PATIENT FROM HELICOPTER TRANSFER: appoint ambulance personnel to go out to chopper pad to stand-by for chopper arrival. Accept patient into ER. Call appropriate receiving physician. Check patient into ER, evaluate, and stabilize.
x200 - WEIGHTS/MEASURES

CODE

x201  ABDOMINAL GIRD MEASUREMENT: expose abdominal area, measure girth (S 0903)

x202  AMBULATORY WEIGHT: balance scales, assist patient onto the scales, read and assist patient off scales (S 0901)

x203  AUTOMATED BLOOD PRESSURE AND PULSE MONITOR: attach cuff to patient; select parameters and record results at intervals ordered or PRN

x204  BLOOD PRESSURE: attach cuff to patient, take blood pressure

x205  BODY LENGTH MEASUREMENT: obtain tape measure, lie baby down, measure length, plot on growth chart (S 2521 r)

x206  BODY MEASUREMENTS (NECK, WAIST, HIPS)

x207  CHEST MEASUREMENT: obtain tape measure, measure chest (S 2520)

x208  EXTREMITY CIRCUMFERENCE MEASUREMENT: place tape measure around the extremity, assess measurement, mark area for future measurement (S 0504)

x209  FETAL HEART TONES, DOPPLER: expose abdominal area, assess fetal heart tones utilizing the doppler with lubricant, clean abdomen (S 2413)

x210  FETAL HEART TONES, MANUAL: position patient in left lateral or semi-recumbent position, find best quadrant for FHT's, place fingers over mother's radial pulse; count fetal heart tones for one minute (S 2412)

x211  HEAD CIRCUMFERENCE: measure head circumference with a tape measure (S 2522)

x212  INFANT HEIGHT/WEIGHT: balance scale, place on proper scale, remove infant clothing and diaper, provide for infant safety while on scale, record results and plot on growth chart (S 2523)

x213  MEASURING AND RECORDING INTAKE: measure or calculate fluids and record amount on Intake and Output Record; wash hands. (S 0208 r)

x214  MEASURING AND RECORDING OUTPUT, DRAINAGE BOTTLES: pour contents from drainage bottle into calibrated cylinder, measure or calculate volume, replace drainage bottle, record amount on Intake and Output Record; wash hands. (S 0504 r)
x200 - WEIGHTS/MEASURES

CODE

x214 MEASURING AND RECORDING OUTPUT, LIQUID FECES/VOMITUS: remove container from patient's bedside; measure liquid in calibrated cylinder, record amount on Intake and Output Record; wash hands. (S 0303 r)

x215 MEASURING AND RECORDING OUTPUT, URINE: measure or calculate volume with calibrated cylinder, record amount on Intake and Output Record; wash hands. (S 0301)

x216 ORAL TEMPERATURE, PULSE AND RESPIRATIONS: position temperature probe or thermometer, place fingers over radial artery pulse and count rate. Count respiratory rate while fingers are placed over radial artery pulse. Remove fingers from radial pulse rate. Calculate pulse and respiratory rate (S 0808)

x217 ORAL TEMPERATURE, PULSE, RESPIRATIONS, & (MANUAL) BLOOD PRESSURE: after positioning temperature probe or thermometer, count respiratory rate while fingers are placed over radial artery pulse. Calculate pulse and respiratory rate (S 0808); place cuff around extremity, position stethoscope, measure blood pressure, remove BP cuff and thermometer when completed. (S 0809)

x218 PEAK FLOW: utilizing a peak flow meter, measure the forced expiratory volume

x219 PULSE - APICAL: expose area, place stethoscope over apex of heart and count rate for one minute, remove stethoscope (S 0803)

x220 PULSE - DOPPLER: place sensor over pulse area, read gauge (S 0810)

x221 PULSE - PEDAL/FEMORAL/POPLITEAL: place fingers on the artery to count rate; calculate rate (S 0809)

x222 PULSE - RADIAL/BRACHIAL: place fingers over artery to count heart rate; calculate rate (S 0802)

x223 RECTAL/AXILLARY TEMPERATURE, APICAL PULSE, AND RESPIRATIONS: position temperature probe, place stethoscope over apex of heart and count rate. Count and calculate respiratory rate. Remove temperature probe, wash hands (S 0811)

x224 RECTAL TEMP/PULSE/RESPIRATIONS/MANUAL BP, ADULT: See x227, x217

x225 RECTAL TEMP/PULSE/RESPIRATIONS/MANUAL BP, PEDIATRIC: See x227, x217
CODE

x226 RESPIRATIONS: Count respiratory rate and or count and calculate rate for 15 - 30 seconds and multiply by four or two (S 0004)

x227 TEMPERATURE - AXILLARY, ELECTRONIC MERCURY: Prepare patient to undress PRN, place temperature probe or thermometer in axillary area, measure temperature, remove temperature probe or thermometer, record (S 0007)

x228 TEMPERATURE - ORAL, ELECTRONIC MERCURY: Place probe or thermometer under tongue, measure temperature, remove probe (S 0005)

x236 TEMPERATURE (ORAL), PULSE, RESPIRATIONS, BP, AMBULATORY HEIGHT

x229 TEMPERATURE - RECTAL ELECTRONIC/ MERCURY: Expose area, insert lubricated temperature probe in anus, measure temperature, remove temperature probe and record results (S 0006)

x237 TEMPERATURE (RECTAL), PULSE, RESPIRATIONS, INFANT HEIGHT

x230 TILTS/ORTHOSTATIC VITAL SIGNS: Place patient in supine position for one minute, take blood pressure and pulse. Place patient in sitting position with feet dangling for one minute and take blood pressure and pulse. Have patient stand (if able) for one minute and take blood pressure and pulse. Record results of measurements. Note if patient symptomatic, report if positive tilts.

x231 VISUAL ACUITY: Instruct and position patient. Test patients vision (each eye) with Snellen chart; record.

x232 WEIGHT, URINE DIPSTICK, AND BP (MANUAL/AUTOMATED): See x202, x204, x725.

x233 WEIGHT (STANDING), HEIGHT, BP (MANUAL/AUTOMATED), PEDIATRIC: See x202, x204

x234 WEIGHT (STANDING), BP (MANUAL/AUTOMATED): See x202, x204

x235 WEIGHT, HEIGHT, ADULT: see x202; measure height.
ASSSESSMENT OF SKIN/HAIR CONDITION/INFECTION:

BOWEL SOUND ASSESSMENT: Use stethoscope to assess status of bowel sounds and record.

CARDIAC ASSESSMENT: Expose area, inspect, palpate, auscultate heart sounds: obtain V.S. record findings.

CLINIC EXIT INTERVIEW: Question patient or responsible adult to ascertain level of understanding of medical problem, follow-up and satisfaction with services provided; ensure patient has all necessary prescriptions, consults, supplies, and follow-up appointment.

CLINIC INTAKE INTERVIEW: Obtain reason for reporting to clinic and length of time problem has existed, determine prior history of problem, treatment, and success of treatment. Note risk factors, allergies, and current medications. Isolate patient with communicable disease or refer patient to vital signs station.

CORNEAL EXAM: Anesthetize eye with eye drops, stain with fluorescein, visualize cornea with Wood's lamp; record results. Patch after procedure.

CRYING PATIENT: Approach patient, explore patient's concern, assist in problem solving.

FAMILY ADVOCACY INTERVIEW: interview with service member and/or family; give emotional support and refer appropriately.

FORMALIZED PATIENT CONTACT COMPLAINT: Refer patient to patient contact representative; listen to patient's problem, complaint, suggestion or compliment; write up patient encounter; resolve if possible or refer to next level for review and action as needed; provide emotional support to patient.

GASTROINTESTINAL ASSESSMENT: inspect/auscultate/percuss, palpate, assess abdomen; record findings.

INFANT PULMONARY ASSESSMENT: Assess infant for skin color, respiratory grunting, nasal flaring, respiratory rate, sternal retractions and apnea. Record results.

MENTAL ALERTNESS: make inquiries within the framework of interviewing that will give information about the patient's orientation, memory, intellectual performance, and judgement. (S 1102)
MOTOR/SENSORY TESTING: assess extremities for sensation awareness and muscle strength (S 1105)

NEUROVASCULAR CHECK: expose area, assess extremity for sensation, swelling, color, warmth, capillary refill, trauma. Compare with other extremity and record results. (S 1101r)

NURSING HISTORY, PROBLEM FOCUSED: interview patient regarding specific health problem(s) (e.g., allergy, substance abuse, gynecologic problem, injury, illness.

NURSING HISTORY (COMPLETE): active listening and questioning of patient/significant other to obtain level of wellness or illness and nursing needs; obtain past medical history, risk factors, allergies, and current medications.

ORIENTATION: question patient regarding mental orientation to time, place, and person (S 1104)

PATIENT/SIGNIFICANT OTHER/SUPPORT: emotional support

PEDIATRIC GROWTH AND DEVELOPMENT ASSESSMENT: give questionnaire to mother/guardian, explain purpose and importance of obtaining accurate information from child, allow parent/guardian appropriate time to complete questionnaire, and answer any questions regarding child's development.

PHYSICAL EXAM, GENITOURINARY SYSTEM: history-taking and non-invasive exam.

PHYSICAL EXAM, MUSCULOSKELETAL: history and non-invasive exam.

PULMONARY ASSESSMENT: initiate assessment by inspection, auscultation of the lungs, and/or percussion of the chest wall over the involved areas; assess symmetry of chest and determine if respiratory movement is abdominal or thoracic; wash hands. (S 1201r)

PUPIL REFLEXES: adjust room lighting, assess pupillary reflexes with a light source (S 1102)

SENSORY DEFICIENT PATIENT SUPPORT: safety and emotional support

VAGINAL BLEEDING ASSESSMENT: determine clinical history of vaginal bleeding; reassure and position patient; expose area, observe and record of amount and type of bleeding.
x400 - TRANSPORT/SAFETY

**CODE**

x401 ADJUSTING RESTRAINT: replace or apply restraints to upper or lower extremities; wash hands. (S 0500r)

x413 ASSIST TO BATHROOM (ON UNIT):

x402 BODY RESTRAINT APPLICATION: place patient in restraint using self; wash hands.

x403 COMMERCIAL LEATHER RESTRAINT APPLICATION, 2 POINT: test lock/key to restraint; apply to extremities; assess patient response, neurovascular status, and skin integrity Q 15' or more frequently; monitor for airway/safety; wash hands. (S2605 r)

x404 COMMERCIAL LEATHER RESTRAINT APPLICATION, 4 POINT: test lock/key to restraint; apply to extremities; assess patient response, neurovascular status, and skin integrity Q 15' or more frequently; monitor for airway/safety; wash hands. (S2610 r)

x405 PLACING INFANT ON PAPOOSE BOARD: explain reason for restraint to parent, elicit cooperation from infant, place infant on board, secure straps, check to make sure circulation is not impeded. Remove child from board after procedure completed.

x406 SECURING CHILD IN NURSRY DEVICE: using blanket, tuck under child's body, and fold up toward child's neck, secure with pins.

x407 TRANSFER - AMBULANCE STRETCHER TO GURNEY/EXAM TABLE: lock stretcher, grasp sheets or back board, support body, and move to gurney/exam table. Put rails up and secure tubes and/or IVs.

x412 TRANSFER GURNEY/Bed TO CHAIR/WHEELCHAIR:

x408 TRANSFER - VEHICLE/CHAIR/TOILET TO WHEELCHAIR: position wheelchair, lock wheelchair, assist patient to wheelchair, and escort to appropriate area.

x409 TRANSFER - STRETCHER TO WHEELCHAIR: position wheelchair and lock, assist patient into wheelchair.

x410 TRANSFER WHEELCHAIR TO STRETCHER: position wheelchair, lock wheelchair and stretcher. Assist patient onto stretcher and secure side rails.

x411 WRIST OR ANKLE RESTRAINT (NON-COMMERCIAL): pad extremity, use clovehitch configuration, secure loops and tie restraint to stretcher; record patient response/neurovascular status and skin integrity Q 15' or more frequently; wash hands.
x500 - GENERAL PROCEDURES/TREATMENTS

**CODE**

x501 ASSISTING PATIENT WITH RECTAL EXAM: assist patient onto exam table, position patient, set-up specimen container and assist provider with exam, assist patient to sitting position.

x502 COLLECT VALUABLES/PERSONAL EFFECTS: assemble required forms and appropriate number and type of personnel; collect/record valuables and personal effects; secure or carry to designated area.

x503 CONDOM CATHETER APPLICATION: apply condom catheter, connect to drainage bag. (S 1912)

x547 CRUTCHWALKING FITTING/INSTRUCTION:

x504 DEBRIDEMENT, LARGE WOUND: instruct and position patient, cleanse wound, apply dressing.

x505 DEBRIDEMENT, SMALL WOUND: See x505.

x506 DIAPER CHANGE: expose diaper area and cleanse skin: remove soiled diaper and replace with clean diaper; position baby and cover, remove soiled items. (S 2507)

x507 DRESSING CHANGE, LARGE (over 4 x 8 INCHES): remove soiled dressing, cleanse skin, apply dressing using aseptic or sterile technique as ordered. (S 1605 r)

x508 DRESSING CHANGE, SMALL (less than 4 x 8 INCHES): remove soiled dressing, cleanse skin, apply dressing using aseptic or sterile technique as ordered. (S 1604 r)

x510 DRESSING, REINFORCEMENT: apply dressing to present dressing for reinforcement. (S 1606)

x511 DRESSING, WET STERILE: position and prepare patient; using sterile technique, clean wound, using sterile saline to wet inner dressing, place dressing over wound; cover with dry dressing; remove gloves; secure with tape.

x546 ENEMA/FLEETS: prepare, position patient, administer enema.
I

**x500 - GENERAL PROCEDURES/TREATMENTS**

**CODE**

**x512** FLUID: place plastic drinking tube in liquid, give fluid to patient then remove drinking cup and/or place within reach of patient.

**x513** FOLEY CATHETERIZATION: assist patient into lithotomy or dorsal recumbent position. Using aseptic technique, insert catheter, inflate balloon, secure catheter, connect to drainage collection bag; obtain specimens, document observations and procedure. (S 1901 r)

**x514** FOLEY CATHETER REMOVAL: expose catheter and drainage system; deflate Foley balloon and remove catheter; measure urine, record. Instruct patient to notify when able to void (for measurement and documentation. (S 1907)

**x515** GIVING A BEDPAN: place patient on bedpan, provide toilet tissue, remove patient from bedpan, cover bedpan, and remove from area; wash hands. (S 0305)

**x516** GIVING A URINAL: place urinal at patient's bedside, remove cover, assist patient as needed and remove urinal from patient, replace cover; then remove urinal from area; wash hands.

**x517** HOT COMPRESS: expose area, apply hot compress and cover site. (S (S 1610)

**x518** ICE PACK: expose area, apply ice and cover site. (S 1611)

**x519** INCONTINENT CARE: bathe patient and replace linen and chux; remove soiled supplies. (S 0307)

**x520** IRRIGATION, EAR - ADULT: gather proper equipment; explain procedure; irrigate ear.

**x521** IRRIGATION, EAR - PEDIATRIC: gather proper equipment; explain procedure to parent and child; restrain child as necessary; irrigate ear; comfort child after procedure completed.

**x522** IRRIGATION, EYE: prepare eye for irrigation, utilizing IV (saline) and tubing irrigate eye/eye; record. (S 1702)

**x523** IRRIGATION, WOUND: prepare patient; using sterile technique irrigate wound; dry site; apply dressing (S 1607 r)
**NASOGASTRIC TUBE - INSERTION:** place equipment at bedside, secure towel around patient’s neck, give patient glass of water, instruct patient on how to swallow tube, lubricate tube, insert tube, assess for placement, tape in position, then remove equipment from area/or when non-responsive omit glass of water and instructions. (S 1301)

**NASOGASTRIC TUBE - IRRIGATION:** place irrigation solution at bedside, unclamp or disconnect tube, irrigate tubing with asepto syringe, reclamp or reconnect tubing; record input and output. (S 1302)

**NASOGASTRIC LAVAGE (INSERT/IRRIGATE):** secure towel around patient’s neck, insert stomach tube, assess placement, lavage gastric contents, remove tube, tape, record input and output. (S 1304)

**NASOGASTRIC TUBE - REMOVAL:** place towel around patient’s neck, position patient, remove tape, clamp tube and remove tubing. (S 1303)

**OBSERVATION:** one on one general standby while patient is in X-ray, awaiting test results or providing safety or psychological support or comfort by continuous observation.

**OCCUPIED BED LINEN CHANGE:** place linen at bedside; turn patient on side, roll linen to one side and replace; turn patient to other side and complete linen change; remove soiled linen.

**PATCH EYE:** dress with gauze eye pad; secure dressing and eye shield; instruct patient regarding dressing changes.

**POSITIONING/ADJUSTING SIDE RAIL:** evaluate patient’s need for side rail, change position of side rail up or down depending upon the assessed need. (S 0505r)

**POSITIONING FOR X-RAY:** assist with positioning patient and X-ray film; assist with removal of exposed film. (S 1422)

**POSITIVE LP TAP PATIENT:** start IV; administer IV needs as ordered; prepare for admission/transport; provide emotional support for patient and family.

**PRECAUTIONS (ISOLATION), GOGGLES, MASK AND/OR GLOVES:** observe handwashing, wear goggles (eyeshield), mask and/or gloves as required.
x500 - GENERAL PROCEDURES/TREATMENTS

**CODE**

x534 **SKIN CARE:** cleanse and dry areas for care. (S 1602 r)

x535 **SOAK/REMOVE FROM SOAK, HAND/FOOT:** provide patient basin to soak hand or foot; remove and towel dry. (S 1606 r)

x536 **STANDBY, PHYSICAL EXAM:** assist and position patient as needed, provide instructions; assist with exam as needed.

x537 **STANDBY PELVIC:** assist patient into lithotomy position. Drape for privacy; assist with procedure as needed (see x723 of diagnostic specimen collection).

x539 **STRAIN URINE:** provide strainer for urinal or empty urine from bedpan through strainer; collect and label specimen.

x540 **SUCTIONING WITH BULB SYRINGE:** utilize the bulb syringe to suction the nose and/or mouth. (S 1425)

x541 **SURGICAL PREP, LOCAL:** prepare skin for prep; shave and cleanse area specified. (S 1613 r)

x542 **SUTURE/SKIN CLIP REMOVAL, LESS THAN 15:** remove dressing if required; remove sutures or clips; apply steristrips; provide patient instructions. (S 1622 r)

x543 **SUTURE/SKIN CLIP REMOVAL, MORE THAN 15:** remove dressing if required; remove sutures or clips; apply steristrips; provide patient instructions. (S 1603 r)

x544 **SUTURE WOUND, LESS THAN 15 SUTURES:** cleanse wound, prepare and position patient; assist with or suture wound using sterile technique; dress wound; record procedure/observations; provide patient follow up instructions.

x545 **SUTURE WOUND, MORE THAN 15 SUTURES:** See x542

x546 **UNDRESS PATIENT/REMOVE CLOTHING:** position patient, remove clothing and place clothing in bag or under gurney per unit policy.

x547 **WARM SOAK:** (to ear, skin, joint or muscle area) - 20°, apply warm pack, observe, wash hands.

x548 **WOUND, REPACK:** using sterile technique, unpack and repack gauze in wound, apply dressing.
CODE

x601 ANSWER PATIENT QUESTION: time spent in answering questions for patient or patient's parent/guardian. (S 0703 r)

x602 EXPLANATION OF PROCEDURES/TEST OR WITNESS CONSENT: instruct patient on what to expect, why test is to be done, and what personnel will do during the test. (S 0702)

x621 POST-OP INSTRUCTION:

x603 TEACHING BLOWBOTTLES/INCENTIVE SPIROMETER: instruct patient on the purpose and use of equipment. (S 2305)

x604 TEACHING CHEMOTHERAPY INSTRUCTION: provide instructions on dosage, drug action, adverse effects, signs and symptoms which require medical evaluation. (S 2310)

x605 TEACHING COLOSTOMY CARE: provide instructions on the purpose, equipment and technique of colostomy irrigation and colostomy bag care. (S 2302)

x603 TEACHING - DIALECTIC: provide information on the disease process and care related to this process (signs and symptoms of insulin lack/overdosage, foot care, rotation of injection sites, exercise program, storage of medication, and maintenance of equipment). (S 2313)

x607 TEACHING, DIAGNOSTIC TEST: provide information on the purpose and requirements for the diagnostic test. (S 2305)

x606 TEACHING, DIET/NUTRITION EXPLANATION: provide instruction on dietary requirements/restrictions for purposes of weight control program, health maintenance, or specific medical condition. (S 2307)

x609 TEACHING, DISEASE/CONDITION RELATED: provide instruction on the nature and scope of the disease process, special care requirements, limitations and/or restrictions related to disease illness. (S 2309)

x610 TEACHING, DRESSING CHANGE: provide instruction on technique of dressing change, skin care and how to recognize abnormal conditions related to disease/injury; and who to report complication to. (S 2311)
x612 TEACHING, INSULIN ADMINISTRATION: provide information on dosage, types of insulin, syringe utilization technique, care of equipment, rotation of sites, and specific drug-related information. (S 2312)

x613 TEACHING, PHYSICAL FITNESS INSTRUCTIONS: provide information on military physical fitness instructions.

x614 TEACHING, POSTURAL DRAINAGE: provide instruction on the purpose and technique for postural drainage. (S 2303)

x615 TEACHING, PREOPERATIVE INSTRUCTION: provide instruction on preoperative and postoperative requirements (skin preparation, cough and deep breathe, ankle exercise/position change). (S 2307)

x616 TEACHING, SELF-MEDICATION ADMINISTRATION: provide patient or responsible adult instruction on dosage, route and specific drug related information. (S 2301 r)

x617 TEACHING, URINE CLEAN CATCH: provide instructions on the purpose and technique for clean catch urine.

x618 TEACHING, URINE TESTING: provide instructions on the purpose and technique for urine testing. (S 2304)

x619 UPDATING FAMILY/PATIENT ON CONDITION: time spent communicating with patient or family on condition.

x620 VISITING WITH PATIENT/PURPOSEFUL INTERACTION: time spent with a patient without providing any direct physical care and which is not a response to a question. (S 0704)
x700 - DIAGNOSTIC TESTS

CODE

x701 ARTERIAL PUNCTURE - BLOOD CASES: expose area, cleanse site, perform arterial puncture; withdraw blood sample, plug needle; apply pressure to puncture site approximately 10 minutes. (S 1502)

x702 BLOOD SAMPLE, DEXTROSTIX: cleanse site, puncture site with lancet, obtain sample, apply pressure over site, process sample and read results. (S 2531 r)

x740 BREATHALYZER

x703 BLOOD SAMPLE, LANCET - EAR/FINGER/HEEL: cleanse site, puncture site with lancet, obtain sample, apply pressure over site, prepare specimen for lab. (S 2530 r)

x704 CARDIAC MONITORING: attach patient to monitor, turn on, and observe monitor and/or monitor strips as required.

x705 CULTURE, NOSE: position patient, obtain nose culture, label. (S 1708)

x706 CULTURE, SPUTUM: position patient, have patient cough to obtain sputum; label specimen. (S 1710)

x707 CULTURE, THROAT: position patient, obtain throat culture, label. (S 1709)

x735 CULTURE, WOUND: position patient, obtain culture, label.

x708 ECG, CAPOC: set up machine, position patient, expose area, attach leads, and perform ECG. Review ECG and report to physician.

x709 ECG, CAPOC LINK WITH MODEM TO CENTRAL ECG READING SITE: see x708

x720 ECG, RHYTHM STRIP-MONITOR: obtain 20 second strip, label with patient name, date, and time and attach to chart. (S 1002)

x716 ECG, 12 LEAD: position patient, expose area, attach leads, and perform ECG. Review ECG and report to physician. (S 1003 r)

x711 FECAL SAMPLE COLLECTION: upon obtaining a feces sample, place sample in collection container, label and remove from area. (S 2210)
x712 HEMATOCRIT: upon obtaining the blood sample, process, assess, record the results. (S 2211)

x713 HEMOCCULT OR/GUAIAc TESTING, FECES/UXITUS/CI DRAINAGE: upon obtaining sample, test sample for occult blood, record results. (S 2209)

x737 HOLTER MONITOR APPLICATION: instruct patient and apply portable telecardiography monitor.

x741 HOLTER PUMP APPLICATION: instruct patient; apply infusion devise for IV or medication.

x714 LEGAL ALCOHOL/DRUG SCREEN: obtain written consent, gather supplies/equipment/appropriate form, notify appropriate authorities; obtain specimen with chain of custody; wash hands; carry specimens to specific laboratory area for disposition.

x715 LUMBAR PUNCTURE: obtain consent; assist with procedure; observe and record neurological status, puncture site, patient response; V.S. Q 15' till stable; instruct patient on positioning (flat); send laboratory specimens as ordered; wash hands. (S 2202 r)

x716 MÖNITOR LEADS APPLICATION/EXCHANGE: prepare patient (shave hair if necessary), exchange/or apply new leads. (S 1001)

x717 PATHOLOGY SPECIMENS: place specimens in proper containers and label. Fill out appropriate chits and send to appropriate area in laboratory.

x719 PKU HEEL STICKS: place equipment by patient, expose heel, cleanse skin, use lancet to puncture heel, smear blood from heel on three circles of PKU card, label specimen, remove equipment and clean area. Record patient's name and record number in log. Mail to Dept. of Health and Mental Hygiene.

x715 PREGNANCY TEST: fill out lab chits for urine or serum pregnancy tests, (as appropriate) and direct patient to laboratory to provide appropriate specimen.

x721 SCHOOL PHYSICAL EXAM: LAB WORK: obtain outpatient card from parent or guardian. Make out chits for CDC and/or routine urine. Explain to parent and child procedure for obtaining urine sample and provide with materials. Label urine sample and direct parent and child to lab for blood drawing. Direct to immunization clinic for updating immunizations.
CODE

x722 SEPTIC WORK UP PROTOCOL: obtain outpatient card, prepare lab chits; obtain signed consent form for lumbar puncture; witness permit if necessary. Assist physician by restraining child during L.P. procedure and blood culture drawing. Obtain urine for u/a and culture. Send all lab work to stat lab. Provide emotional support for parent and/or child.

x723 STAND-BY FOR PELVIC EXAMINATION/COLLECTION OF VAGINAL SPECIMENS: help patient undress if necessary, position patient, prepare slides (for KOH, NS), get clamydia slide and prepare as needed; get GC plates as needed; get PAP slides if needed; assist provider with exam. Provide emotional support for patient.

x724 STRAIGHT CATHETERIZATION: same procedure as for Foley insertion. Instead of inflating balloon, empty bladder, obtain specimen, remove catheter, document output and procedure.

x725 THAYER-MARTIN CULTURES, MALE: (gonorrhea) obtain urethral smear/gram stain slide with sterile cotton swab and plant on culture plates.

x726 TREADMILL (STRESS TEST): witness consent, instruct patient; apply leads, monitor during prescribed activity.

x726 URINE COLLECTION BAG - APPLICATION: place equipment by patient expose area cleanse area, apply urine collection bag, cover baby for warmth. (S 2500 r)

x727 URINE COLLECTION BAG - REMOVAL: position child, expose area, carefully peel bag off, pour urine into clean test tube or sterile cup, label.

x728 URINE DIP AND SPIN: obtain urine sample from patient; pour into clean test tube; dip reagent strip (multistix with SG) into urine; read for specific gravity, pH, protein, glucose, ketone, etc.; put test tube in centrifuge; spin 5 minutes; label and put in rack for physician to prepare slides.

x729 URINE DIP/CHEM:STRIP: obtain fresh urine sample. Dip reagent strip into urine and observe color change to detect presence of protein or sugar.

x730 URINE SPECIFIC GRAVITY (INDEX REFRACTOMETER): collect fresh urine sample from patient, place drop of urine on the glass section beneath the glass cover, read the refractometer, record. (S 2206 r)
x731 URINE SPECIFIC GRAVITY (URINOMETER): collect fresh urine sample from patient, pour into clean cylinder, float urinometer in specimen, read, and record. (S 2206 r)

x732 VENIPUNCTURE - BLOOD CULTURE: expose area, apply tourniquet to extremity, cleanse site, perform venipuncture, withdraw blood sample, inject blood into bottles, apply pressure to puncture site. (S 1502 r)

x733 VENIPUNCTURE - BLOOD SAMPLES: expose area, apply tourniquet to extremity, cleanse site, perform venipuncture and withdraw blood sample, and then apply pressure to puncture to puncture site. Label blood tubes. (S 1501)

x734 VENIPUNCTURE - PEDIATRIC: stamp proper lab chits; position patient; restrain child as necessary; expose area; apply a tourniquet to extremity; cleanse site; perform venipuncture; comfort child. Requires 2:1 staff for restraining and performing procedure.

x739 RAPID THROAT CULTURE TEST:
x800 - MEDICATIONS/IV THERAPY

CODE

x801 ASSIST WITH IV INSERTION - SMALL CHILD: set up equipment including infusion pump, explain procedure to parent and child, determine if parent should remain with child, position child and restrain as necessary, assist provider, provide emotional support for child.

x802 ASSISTING AND MONITORING CHILD RECEIVING BLOOD PRODUCTS: obtain correct transfusion; verify with provider correctness of information on transfusion; take vital signs; assist provider in connecting blood unit to present IV system. Observe for potential allergic reaction; vital signs Q 15 minutes during procedure; monitor 1:1 during procedure.

x803 ASSISTING AND MONITORING CHILD RECEIVING IM CHEMOTHERAPY: position patient in treatment room; vital signs taken; ice applied to thigh for 10 minutes prior to injection; assist physician with injection by restraining child; vital signs Q 15 minutes x 2 post injection. Record procedure and any reaction, monitor 1:1 during procedure.

x804 ASSISTING AND MONITORING CHILD RECEIVING INTRATHecal MEDICATION: prepare LP tray and have gloves ready; have medication near-by; obtain patient's vital signs; prepare and position patient, holding patient to maintain proper LP position. Close supervision of patient for 1 hour with vital signs Q 15 minutes x 1 hr post-procedure. Prepare culture and chemistry chits. Ensure specimens transported to lab.

x805 EYE CARE: cleanse eyes and apply solution/ointment as prescribed; apply eye patch. (S 1701)

x806 INSTILLATION OF DROPS, EAR: position patient, instill drops into ear(s). (S 1706)

x807 INSTILLATION OF DROPS, EYE: position patient, instill drops into eye(s). (S 1705)

x808 INSTILLATION OF DROPS, NOSE: position patient, instill nose drops. (S 1701)

x809 INTRA-MUSCULAR, NARCOTIC: locate site of injection, administer medication; observe patient response.
CODE

x810  INTRA-MUSCULAR, NON-NARCOTIC: locate site for injection, administer medication; observe patient response. (S 2102)

x830  INTRATHECAL MED:

x811  INTRAVENOUS INFUSION - BLOOD OR BLOOD PRODUCTS: assure correct patient and correct transfusion per unit policy. Connect transfusion to present intravenous system, adjust rate, and record on I and O sheet. (S 1514)

x812  INTRAVENOUS INFUSION - CHANGE IV BAG/BOTTLE: remove used IV; hand new IV and adjust flow rate (S 1506r)

x829  INTRAVENOUS INFUSION - CHECK/FIX:

x813  INTRAVENOUS INFUSION - FLOW RATE: calculate and adjust flow rate as ordered. (S 1504)

x814  INTRAVENOUS INFUSION - INFUSION PUMP SET-UP: set up IV and flush system, connect to IV pump, adjust flow rate dial, begin infusion, and record on I and O sheet. (S 1511 r)

x815  INTRAVENOUS INFUSION - INITIATING: expose area. Apply tourniquet to extremity, cleanse site, perform venipuncture and connect IV tubing, remove tourniquet and dress puncture site, secure IV tubing with tape. Calculate and regulate flow rate, and record on Intake and Output record. (S 1505)

x816  INTRAVENOUS INFUSION - IV PUSH MEDICATION: select and cleanse IV injection site with alcohol prep, inject IV medication as ordered, and record. (S 1507)

x817  INTRAVENOUS INFUSION - PIGGYBACK MEDICATION: connect piggyback infusion to existing IV line, adjust rate as ordered, and record on chart. (S 1509 R)

x818  INTRAVENOUS INSERTION/SCALP VEIN: hold and/or restrain child, prepare site, palpate vessel to be certain it is not an artery, insert 23 or 21 gauge butterfly, tape securely, connect to intravenous solution; set up on infusion pump to prevent fluid overload; monitor infusion; recording fluid intake and output.
x.10 INTRAVENOUS LINE - TERMINATION: remove dressing and terminate IV, apply pressure to site, and dress PRN; record on I and O sheet. (S 1510)

x.20 NEBULIZER TREATMENT, ADULT: record V.S. prior to treatment; prepare medication and add to nebulizer with diluent; instruct patient and assure proper breathing pattern; record V.S. Q 5 minutes and stay with patient until treatment is completed. (S1427 r)

x.21 NEBULIZER TREATMENT, PEDIATRIC: record V.S. prior to treatment; prepare medication and add to nebulizer with diluent; instruct patient and assure proper breathing pattern; record V.S. Q 5 minutes and stay with patient until treatment is completed. (S1427 r)

x.22 ORAL OR PER NG TUBE: obtain a glass of water and administer the oral medication or instill medication and water per NG. (S2101r)

x.23 SUBCUTANEOUS: locate site for injection, administer medication; (S 2103)

x.24 SUBCUTANEOUS INFILTRAION BY XYLOCAINE: prepare patient, inject medication; observe for anesthesia.

x.25 SUBLINGUAL: place medication under patient's tongue. (S 2106)

x.26 SUPPOSITORY, RECTAL/ VAGINAL: prepare and administer suppository wearing glove or finger cot. (S 2104 r)

x.27 THROAT SPRAY:

x.28 TOPICAL: expose skin or mucosa site for topical application of medication, apply medication wearing gloves. (S2105 r)
x900 - EMERGENCY PROCEDURES

**CODE**

x901 **AIRWAY INSERTION:** insert airway, assess patency of airway; assess respirations.

x902 **CARDIOPULMONARY RESUSCITATION:** perform necessary procedure of cardiopulmonary resuscitation.

x903 **NOSEBLEED MANAGEMENT:** position patient facing the nurse, instruct patient to tilt head slightly forward, pinching the soft lobular portion of the patient's nose for a few minutes.

x904 **RESPIRATORY RESUSCITATION, AMBU:** perform pulmonary resuscitation with ambu. (S 1416 r)

x905 **SEIZURE CARE:** lie the patient down, loosen clothing around neck, turn head to side, place folded blanket under head to prevent trauma if patient is on hard surface; call for equipment to suction and administer 02 if necessary, obtain V.S., assess post-ictal phase. (S 180 r)
CHAPTER III
x000 - SPECIAL PROCEDURES/PROTOCOLS

The activities to be timed are listed alphabetically and sequentially numbered under the general area of responsibility: e.g., x101, x102, x103.... The first digit of the code for activities will be a letter signifying the clinical area in which the activity is performed. These codes will be as follows:

- A000 - Aviation Medicine
- B000 - Blood Bank
- C000 - Cardiology
- D000 - Dermatology
- E000 - Emergency Dept
- F000 - Gastroenterology
- G000 - Hematology/Oncology
- H000 - Immunization/Allergy
- I000 - Internal Medicine/Endocrin.
- J000 - Nephrology
- K000 - Neurology
- L000 - Neuropsychiatric/Alc.Recovery
- M000 - Obstetrics/Gynecology
- N000 - Occupational Health
- O000 - Ophthalmology
- P000 - Oral Surgery
- Q000 - Orthopedic
- R000 - Otolaryngology
- S000 - Pediatric
- T000 - Physical Exam Clinic
- U000 - Primary Care/FPC/MSC/MAC
- V000 - Pulmonary
- W000 - Rheumatology
- X000 - Surgery(Gen/Plast/Neuro)
- Z000 - Other

Highly specialized procedures are defined separately under its specified clinical area. In FY 87 these areas concluded Emergency Department, Gastroenterology, Immunization/Allergy Clinic; Obstetrics/Gynecology, Orthopedic, Pediatric, and Surgical Clinic.

The Emergency Department procedures have been organized into the following categories:

- ER, General: E001 - E007
- ER, Cardiac: E008 - E018
- ER, GYN: E019 - E021
- ER, NP: E022
- ER, Pulmonary: E023 - E040
- ER, Trauma: E041 - E050
E000 - ER, GENERAL

CODE

E001 BODY TEMPERATURE REGULATION, HYPOTHERMIA: apply local heat to torso, cover with blankets, administer warmed fluids P.O. of IV as ordered; administer heated O2 as ordered; monitor V.S. and rectal temperature; monitor patient's mental status; document patient's response to therapy.

E002 DEATH CARE: prepare patient and appropriate identification and documents; cover with shroud; inventory valuables and clothing; complete SL/VSL chit and notify morgue prior to transport of body. (S 1621 r)

E003 FOWLER'S/TRENDELENBURG POSITION: position patient (bed/gurney) in Fowlers or trendelenburg position; assess comfort and condition of patient. (S 0507)

E004 ISOLATION, GOWNING AND GLOVING: upon arrival at isolation area, wash hands, put on gown, mask, and gloves, or when departing the isolation area, remove isolation gown, discard mask and gloves; wash hands. (S 1620)

E005 RING CUTTING: obtain written consent; prepare patient, cut ring; assure safety of valuables.

E006 SEIZURE PRECAUTIONS: ascertain if patient is at high risk for seizure, pad railings on gurney/bed, keep siderails up at all times, have padded tongue blade or airway available: suction and O2 nearby.

E007 THERMAL BLANKET: place patient supine on blanket; set water temperature control for heating or cooling as appropriate and plug in; monitor rectal temperature and record as ordered.
ADJUSTING CARDIAC MONITOR/CONNECTION LEADS/RESET ALARM: adjust cardiac monitor, connect leads and reset the alarm. (S 1012)

CARDIOVERSION/DEFIBRILLATION: set defibrillator on prescribed energy level, assess V.S.; perform or assist physician with procedure; repeat V.S.; assess patient response. (S 1523 r)

CENTRAL VENOUS LINE PLACEMENT: position patient, assist with procedure and record patient response.

EXTERNAL PACEMAKER: place patient on cardiac monitor; assess V.S.; assist physician with procedure; repeat V.S. and record patient response. (S 1521)

HICKMAN/BROVIAC CATHETER (CENTRAL VENOUS ACCESS): position patient, expose area, use clean technique and sterile equipment per unit policy to obtain specimen or administer medications or fluids; flush external catheter as specified.

INTRAVENOUS CUTDOWN: prep site, assist physician with procedure, connect IV line; assess patency of IV, adjust flow rate; assess neurovascular status of extremity; assist with suture; apply dressing. (S 1529 r)

MAST SUIT APPLICATION/REMOVAL: lay out mast suit and foot pump, check inflation; place patient supine in mast suit; attach trouser legs; assess patient's V.S.; begin inflating one leg at a time in small increments of mmHg, per policy or physician order; assess BP and pulse after each inflation; inflate abdominal section if indicated; assess and record patient's response to the therapy. Removal: deflate abdomen or one leg at a time in small increments per policy or physician order; check V.S.; assess and record patient response.

MEDIPORT (CENTRAL VENOUS ACCESS): position patient, expose area using sterile technique, cleanse site, and obtain 3 cc of blood and discard; draw blood/start infusion/administer medication as necessary and flush subcutaneous catheter with saline then heparin per policy and record.
E000 - ER, CARDIAC

CODE

E016  RHYTHM STRIP MEASUREMENT: obtain rhythm strip, measure P-R interval, S-T segment, and assess for arrhythmic pattern. (S 1009)

E017  ROTATING Tourniquets, Automated: attach cuffs to extremities as specified, set machine pressure, and rotation cycle for every 15 minutes; monitor neurovascular status of extremities and cardiovascular status of patient per unit policy.

E018  ROTATING Tourniquets, Manual: attach tourniquets to extremities as specified and rotate tourniquets every 15 minutes; monitor neurovascular status of extremities and patient's cardiovascular status per unit policy and record patient's response to treatment.
EO00 - ER, GYN

CODE

EO19  CULDOCENTESIS: obtain written consent; prepare and position patient for pelvic; assist with procedure; monitor and record patient response and V.S.

EO20  EMERGENCY DELIVERY: reassure and position patient in lithotomy position; open precipitate delivery pack; assist with delivery as necessary; support baby, suction with bulb syringe as needed; assess APGAR of baby 1 and 5 minutes; assess status of mother and support as needed; obtain lab specimens; record observations; monitor mother post-partum until transfer; ensure warmth of baby and transfer to nursery.

EO21  SEXUAL ASSAULT PROTOCOL TO COLLECT LEGAL SPECIMENS: triage patient; fill out ETR: obtain V.S. contact appropriate authorities; complete rape kit information; position patient in lithotomy position, provide female support person, assess injuries and history; document and report observations; obtain consent for legal evidence collection and photographs if indicated; assist in exam, specimen collection; bag clothing, assess patient's safety needs in transportation and home environment/shelter or admit to hospital; give medication as directed; refer to Rape Crisis community organization.
EO22  **SUICIDE PRECAUTIONS:** restrict patient to ensure safety from self-harm; witness interactions; remove potentially dangerous objects/equipment/supplies; search patient; watch patient swallow medications if any ordered; provide constant supervision and therapeutic support; record at frequent intervals.
EO00 - ER, PULMONARY

CODE

E023 CHEST PULMONARY THERAPY WITH POSTURAL DRAINAGE: position patient; initiate treatment by auscultation of lung fields; perform percussion to each involved segment followed by vibration; wash hands. (S 1409)

E024 CHEST TUBE, INSERTION: obtain written consent from patient or guardian, assist physician with insertion of chest tube, prepare water-sealed drainage system, tape all connections and drainage bottles, assess breath sounds; wash hands; assure X-ray post-insertion (S 1428 r)

E025 CHEST TUBE, REMOVAL: assist physician with removal of chest tube, apply pressure dressing, assist with X-ray of patient; assess patient breath sounds, monitor vital signs. (S 1429 r)

E026 COUGH AND DEEP BREATHE: have patient cough and deep breathe; reposition patient to expand all lobes; dispose of sputum. (S 1419)

E027 EXTUBATION: assist physician with removal of endotracheal tube; check breath sounds. (S 1430)

E028 INCENTIVE SPIROMETER: instruct patient how to use the spirometer and assist patient during the procedure to determine understanding. (S 1420 r)

E029 INTUBATION - assist physician during the intubation process, tape endotracheal tube in place; check for air movement in lungs. (S 1421)

E030 OXYGEN ADMINISTRATION, MASK: turn on oxygen, fit the mask over the mouth and nose, adjust headband, evaluate fit and patient's adjustment to the equipment, and regulate oxygen flow rate. (S 1402)

E031 OXYGEN ADMINISTRATION, PRONGS: fit nasal prongs and adjust headband, regulate oxygen rate; evaluate patient's adjustment to oxygen and equipment. (S 1403)

E032 RESPIRATORY RESUSCITATION, RESPIRATOR: check all equipment, assist physician with insertion of endotracheal tube, check for placement of tube, tape tube in place, bag breathe, connect to respirator; (S 1416 r)
ER - PULMONARY

CODE

E033 SUCTIONING, ENDOTRACHEAL: put on sterile gloves, suction through endotracheal tube, flush catheter before and after each use, bag breathe between each aspiration, remove gloves (S 1414)

E034 SUCTIONING, NASO-TRACHEAL: put on sterile gloves, pass nasal catheter and suction, flush catheter before and after each aspiration; remove gloves (S 1413)

E035 SUCTIONING, ORAL: suction oral cavity with suction catheter/oral suction tip, flush catheter before and after each aspiration; wash hands (S 1411)

E036 SUCTIONING, TRACHEOSTOMY: put on sterile gloves, suction and flush catheter before and after each aspiration; remove gloves (S 1412)

E037 TRACHEOSTOMY, CHANGING TUBE: untie tracheostomy strings, remove and replace tracheostomy tube, cleanse skin, tie tracheostomy strings; wash hands (S 1405)

E038 TRACHEOSTOMY, CLEANING CANNULA: put on sterile gloves; complete tracheostomy suction, remove, clean and replace inner tube; remove gloves (S 1408)

E039 TRACHEOSTOMY, DRESSING CHANGE: remove soiled dressing, cleanse skin, replace dry dressing, change tracheostomy ties as indicated; wash hands (S 1423)

E040 THORACENTESIS: Obtain written consent of patient or legal guardian, obtain vital signs, assist physician and support patient during the procedure, repeat vital signs, measure and record aspiration fluids; send specimen to lab as ordered; wash hands (S 1417 r)
CODE

EO40 - ER, TRAUMA

EO41 CHILD ABUSE: triage patient; fill out emergency treatment record; obtain V.S.; provide physical and psychological support for child; complete abuse form; notify pediatrics and social worker watch; obtain photographs when indicated; notify Admin Duty Officer and Security if incident took place on base; obtain X-rays when indicated; assess for need to admit child to hospital or provide shelter.

EO42 DEBRIDEMENT (BURN) PROCEDURE: prepare and position patient; remove old dressing with wound and skin precautions, assist with or carry out procedure; apply dressing; administer medications as ordered, record and report observations to physician.

EO43 DECUBITUS CARE: cleanse skin, apply heat lamp and/or expose to light; administer medication as prescribed; document size (e.g., by placing exposed X-ray film over site, mark outline and date. (S 1601 r)

EO44 EXTREMITY SOFT TISSUE INJURY CARE: triage patient; fill out emergency treatment record; elevate and/or immobilize extremity; apply ice to injury if less than 24 hours old; assess pulse distal to injury and record on ETR and/or flowsheet; bring patient to X-ray; ace wrap or cast (in ortho) applied with sling or crutches as needed; provide discharge instructions for follow-up care.

EO45 FOREIGN BODY REMOVAL: prepare patient; assist or carry out procedure; cleanse and dress wound.

EO51 GLASGOW COMA SCALE: evaluate visual, verbal, and motor response to external command or painful stimulus according to a graded scale.

EO46 HEAD/NECK TRAUMA PROTOCOL: triage patient; fill out emergency treatment record; provide safety and stability in transporting patient to exam room and assist with undressing; assess neurological status, V.S., and document; place cervical/Philly collar; start nursing flowsheet; obtain bloodwork, UA and ETOH level as ordered; provide head injury instruction.

EO47 INCISION AND DRAINAGE SMALL ABSCESS: obtain consent, anesthetize patient, incise, drain and pack subcutaneous abscess; dress site; instruct patient.
EOO0 - ER, TRAUMA

CODE

EO48 NEEDLESTICK PROTOCOL: triage patient; fill out emergency treatment record; assess wound; soak and/or scrub wound with antiseptic/saline solution; complete incident report; draw 2 red top tubes from patient and send to lab with 2 red top tubes that were drawn from source of contaminated needle; instruct patient in follow up with physician (Infectious Disease); 2 cc ISG IM given to patient; provide discharge instructions.

EO49 SPOUSE ABUSE: triage patient; fill out ETR; obtain V.S.; support patient's physical and psychological needs; complete abuse form; notify Admin Duty Officer and Security if incident took place on base; notify duty social worker; obtain photographs when indicated; obtain X-rays if necessary; locate safe house/shelter when indicated; assess need to admit; notify civilian authorities if patient received gunshot wound or knife wound.

EO50 SUBUNGAL HEMATOMA RELEASE: soak patient's nail/digit in antiseptic solution; with appropriate instrument burn hole in nail to relieve pressure of hematoma; drain and dress.
FO00 - GASTROENTEROLOGY

CODE

F001 COLONOSCOPY: Vital sign assessment; start IV; pre-procedure teaching; witness permit; prepare meds, assemble equipment & supplies; check equipment; position patient; assist with procedure; collect & label specimens; monitor patient 1:1 during procedure, documentation; assist patient into wheelchair; transport to recovery room; clean equipment; monitor sedated patient (VS on arrival and Q 30 min until awake; give discharge instructions. (S 1306) See x001.

F002 COLOSTOMY DRESSING CHANGE: Place equipment at bedside, remove soiled dressing, cleanse skin and stoma, apply clean dressing, and then remove equipment from area. (S 1307)

F003 COLOSTOMY IRRIGATION: Place equipment at bedside, remove colostomy bag/dressing, administer irrigation solution, allow for return of fluid and feces, cleanse skin and stoma, reapply colostomy bag/dressing; then remove equipment from area. (S 1306)

F004 DIAGNOSTIC LAPAROSCOPY: witness consent; 2 or 3 nursing staff attending patient & physician; instruction & pre-op work-up & emotional support; abdominal prep patient; ensure sterile field; EKG monitor; IV medication; specimen collection & preparation.

F005 ENDOSCOPY: witness consent; assess baseline vital signs (T,P,R., BP) IV sedation monitor 1:1 during & after the procedure, repeat vital signs, provide instructions; collect & label specimens.(S 1313) (see X005)

F006 ENEMA - CLEANSING: position patient administer solution; record results. (S 1304 r)

F007 ERCP - ENDOSCOPIC RETROGRADE CHOLEANGIO PANCREATOGRAPH: witness consent; prepare patient; endoscopy/fluoroscopy procedure IV medication; monitor patient during and 4-6 hrs post-procedure.

F008 ERCP WITH SPHINTEROTOMY: See F007.

F009 FECAL IMPACTION ASSESSMENT/REMOVAL: Position patient, put on rubber gloves, assess for fecal impaction and then manually break up fecal mass (S 1312)

F010 ILEOSTOMY/ILEOCONDUIT - DRESSING CHANGE: remove ileostomy bag or dressing, cleanse skin and stoma area, replace ileostomy bag or dressing. (S 1310)
F000 - GASTROENTEROLOGY

**CODE**

**F011**  **LIVER BIOPSY:** witness consent; instruct patient to undress; monitor V.S.; check biopsy site; ensure sterile procedure; assess pain level; monitor post-procedure 4-6 hours VS Q 15' x 4, Q 30' x 2, Q 1 hr until stable.

**F012**  **NASOGASTRIC TUBE - INSTILLATION:** place medication, and/or normal saline at bedside, unclamp or disconnect tube, instill solution with asepto syringe, reclamp or reconnect tubing. (S 1311)

**F013**  **PARACENTESIS:** measure vital signs, prepare patient and tray for procedure, support patient during the procedure, measure vital signs obtain a written consent before the procedure; send specimens to lab as requested. (S 1309 r)

**F014**  **PERCUTANEOUS ENDOSCOPIC GASTROSTOMY(PEG):** assess baseline V.S. assure sterile field procedure; support patient during procedure; repeat V.S.

**F015**  **SIGMOIDOSCOPY/PROCTOSCOPY:** pre-procedure instructions; fleets enema; prepare biopsy specimen as needed.
HOOO - IMMUNIZATION/ALLERGY

H001 ACTIVE DUTY IMMUNIZATION SCREENING: obtain medical record and immunization record from patient; note date of last booster, administer any needed immunizations or schedule time when they may be obtained; instruct patient of future immunization needs.

H002 ALLERGY INJECTION: screen instruction sheet and allergy record; question patient on prior reaction, prepare skin; administer injection; observe for potential reaction; record site; instruct patient on observation time to be checked.

H003 ALLERGY SKIN TESTING: chart review; prepare allergen tray, assist patient to proper position for testing; explain testing procedure; prepare skin; introduce allergens, observe for potential anaphylaxis; record results.

H004 ANERGEN SKIN TESTING: same as H003 except anergens.

H005 IMMUNIZATION INJECTION: screen immunization record for current need; question patient for prior reactions to immunizations or current acute febrile illness; obtain signed consent; prepare skin area; administer injection; instruct patient or guardian; record in chart and individual immunization record.

H006 IMMUNIZATION, INJECTION AND ORAL: screen immunization record for current need; question patient for prior reactions to immunization or current febrile illness; obtain signed consent; administer oral medication; instruct patient or guardian that patient is to be NPO for 20 minutes; record in chart and individual immunization record.

H007 IMMUNIZATION, ORAL: screen immunization record for current need; question patient for prior reactions to immunization or current febrile illness; obtain signed consent; administer oral medication; instruct patient or guardian that patient is to be NPO for 20 minutes; record in chart and individual immunization record.

H008 IMMUNIZATION CONSENT FORM TEACHING: give information sheet with consent form to patient or guardian for all immunizations to be given; allow time for reading of material and answer questions; obtain signature.

H009 INHALERS: obtain medication for patient; screen for possible allergic reaction; explain use and possible side effects; have patient self-administer medication; note any reaction.
INSTRUCTION REGARDING IMMUNIZATION SIDE EFFECTS: explain normal reaction to immunizations; abnormal reactions; and inform them of appropriate use and dosage of antipyretic.

OBSERVATION OF ALLERGY INJECTION PATIENT: obtain correct chart, twenty minutes post injection call patient to nurse's station, observe site of injection, observe respiratory status, record negative or positive reaction, inform patient of any follow up and time of next injection.

OBSERVATION OF ALLERGY PANEL PATIENT: obtain correct chart, twenty minutes post injection; observe site of scratch tests and intradermal injections; observe respiratory status; record negative or positive reaction (in mm); instruct patient of follow up.

OVERSEAS IMMUNIZATION SCREENING: obtain medical record and immunization record from patient, note location of overseas duty; note immunizations needed for locale and dates of prior immunizations; administer any needed immunizations or schedule time when the immunization may be obtained; instruct patient on needs if traveling in other countries.

PULMONARY FUNCTION TEST: position patient for comfort; explain testing procedure; administer test, record results.

READING SKIN TEST(S): question patient for return time of 48 or 72 hours, observe correct forearm, measure any induration with millimeter ruler, record results, instruct patient regarding any follow up.

SCHOOL PHYSICAL IMMUNIZATION SCREENING: obtain medical record and immunization record from parent or guardian; note age of child and date of prior immunizations; administer any needed immunizations; document in chart and immunization record; transcribe immunization data onto physical exam form.

TUBERCULIN SKIN TEST, PRICK: determine need for TB test; prepare skin test; prepare skin and administer prick TB test; instruct patient on follow up.

TUBERCULIN SKIN TEST (PRICK) AND IMMUNIZATION INJECTION/ORAL: See HO05 and HO18
H019  TUBERCULIN SKIN TEST, INTRADERMAL (PPD): determine need for TB test; prepare skin and administer PPD; instruct patient on follow up.
AMNIOCENTESIS: explain procedure to patient. Obtain written consent from patient. Assist patient to supine or semi-recumbent position. Obtain baseline maternal and fetal vital signs. Assist physician as needed, maintaining aseptic technique. Collect specimens and send to laboratory. (S 2424 r).

CHILD BIRTH EDUCATION CLASSES: available to pregnant patients registered in the OB Clinic. Includes:
- Six-week Prepared Childbirth Education Course
- Refresher Course
- Cesarian Preparation Class
- Labor, Delivery and Nursery Tours - includes escorting group to the maternity floor, explaining procedures, criteria and equipment used, and answering questions.

CULDOCENTESIS: (See E019).

GYNECOLOGIC PROCEDURE, ASSIST: instruct patient; obtain consent, position patient; assist provider; label specimens.

INITIAL OB VISIT INTERVIEW, INDIVIDUAL: a formal individual orientation attended by all OB patients during their first trimester. Coordinated by an RN, it is designed to assess medical and nursing history, complete lab paperwork and provide information and education, enabling patients to make sound, logical decisions about their prenatal course. The OB record is opened and labwork ordered and prescribed medications given (e.g., Iron).

INITIAL OB VISIT "INTERVIEW"/GROUP CONFERENCE:

NIPPLE STIMULATION CONTRACTION TEST: set patient up as for a non-stress test. Explain procedure to patient and husband/responsible party, if present. Apply warm wet towels to the patient's breasts for a 5-10 minute period. Obtain baseline for FHT's and uterine baseline for contractions. Begin the test, monitoring intermittently for three FHR accelerations in response to three spontaneously induced uterine contractions within a ten minute period. Contact medical officer when test is ready for interpretation. When test is completed, detach patient from monitor.
M005  NON-STRESS TEST: explain procedure to patient. Prepare & position patient & equipment. Turn on fetal monitor, recording patient's name, date, time and reason for test. Instruct patient to depress test button when she experiences fetal movement. Monitor the fetal heart rate's response to fetal movement. Contact medical officer when test is ready for final interpretation. Detach patient from monitor. (S 2422 r)

M006  OXYTOCIN CHALLENGE TEST: explain procedure to patient and offer emotional support. Obtain written consent. Prepare & position patient and equipment. Record baseline measurements of any contractions, fetal movement and fetal heart rate. If no spontaneous contractions occur, start IV solution with Pitocin piggy-backed, (as ordered by physician), continuing to monitor FHR response to Pitocin-induced contractions. Monitor maternal vital signs every fifteen minutes during the procedure. Contact medical officer when test is ready for interpretation. When test is completed, detach patient from monitor. (S 2421 r)

M007  ULTRASOUND: prepare patient, instruct patient; carry out an invasive sound wave procedure visualizing fetus.

M008  ULTRASOUND, BIOPHYSICAL PROFILE: see M007
Definitions are understood to include patient instructions, positioning, and various applications of wraps/braces/casts unless otherwise noted.

<table>
<thead>
<tr>
<th>CODE</th>
<th>Description</th>
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<tbody>
<tr>
<td>Q001</td>
<td>ACE WRAP:</td>
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<tr>
<td>Q002</td>
<td>ARM SPLINT:</td>
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<tr>
<td>Q003</td>
<td>ARTHROCENTESIS: assist with needle aspiration of joint space</td>
</tr>
<tr>
<td>Q004</td>
<td>ARTHROSCOPY: assist with exam of joint under local anesthetic</td>
</tr>
<tr>
<td>Q005</td>
<td>BRACE, KNEE: velcro strap brace to knee (Don Joy)</td>
</tr>
<tr>
<td>Q006</td>
<td>BRACE, ROM: velcro strap long leg brace to limit range of motion</td>
</tr>
<tr>
<td>Q007</td>
<td>CARPAL TUNNEL RELEASE: witness consent, instruct and prep patient; assist as needed; monitor patient during procedure on median nerve (wrist); observe response and status of patient.</td>
</tr>
<tr>
<td>Q008</td>
<td>CAST-BRACE, LEG: apply cast and hinge hardware to leg; instruct patient</td>
</tr>
<tr>
<td>Q009</td>
<td>CAST, CYLINDER: cast ankle to groin to immobilize knee</td>
</tr>
<tr>
<td>Q010</td>
<td>CAST, DOUBLE HIP SPICA: post surgical immobilization of hips</td>
</tr>
<tr>
<td>Q011</td>
<td>CAST, HALF HIP SPICA: post-surgical immobilization of one hip</td>
</tr>
<tr>
<td>Q012</td>
<td>CAST, GAUNTLET: short arm cast wrist immobilizer</td>
</tr>
<tr>
<td>Q013</td>
<td>CAST, KNEE HINGE: cast brace</td>
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<tr>
<td>Q014</td>
<td>CAST, LONG ARM: hand to shoulder cast</td>
</tr>
<tr>
<td>Q015</td>
<td>CAST, LONG ARM THUMB SPICA: hand to axilla cast with thumb immobilized.</td>
</tr>
<tr>
<td>Q016</td>
<td>CAST, LONG LEG NON-WEIGHT BEARING: hip to toe cast without reinforced foot.</td>
</tr>
<tr>
<td>Q017</td>
<td>CAST, LONG LEG WALKER: hip to toe cast with reinforced foot.</td>
</tr>
<tr>
<td>Q018</td>
<td>CAST, PATELLAR TENDON BEARING (LOWER LEG): short leg cast with orthotic to relieve weight bearing on lower leg.</td>
</tr>
<tr>
<td>Q019</td>
<td>CAST REINFORCE: apply plaster to worn section of cast.</td>
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</tbody>
</table>
Q017 CAST, REMOVAL: removal of plaster/fiberglass cast with cast saw and cast spreader.
Q018 CAST, REMOVAL AND X-RAY: x-ray after cast removal
Q019 CAST, SCOLIOSIS/BODY JACKET: spinal cast
Q020 CAST, SHOE/BOOT: protective shoe for cast
Q021 CAST, SHORT ARM: below elbow to hand cast excluding digits
Q022 CAST, SHORT ARM WITH OUT-RIGGER: below elbow to hand cast with metal splints to immobilize digits.
Q023 CAST, SHORT LEG NON-WEIGHT BEARING: knee to toes cast
Q024 CAST, SHORT LEG WALKER: knee to toes cast with reinforced foot
Q025 CAST, SPLINT, KNEE IMMOBILIZER: immobilize knee
Q026 CAST, SPLINT, POSTERIOR LEG: groin to ankle, may include foot.
Q027 CAST, SPLINT, RADIAL GUTTER: immobilize thumb and radius.
Q028 CAST, SPLINT, SUGAR TONGS: anterior and posterior arm splint.
Q029 CAST, SPLINT, ULNAR GUTTER: elbow to fifth digit splint
Q030 CAST, SPLINT, Volar: anterior forearm to hand crease.
Q031 CAST, THUMB SPICA: below elbow to hand including first digit
Q032 CERVICAL COLLAR: velcro strap appropriate size collar to neck
Q033 CLAVICLE STRAP: figure-eight strap to immobilize clavicles
Q034 CLOSED FRACTURE REDUCTION: witness consent, instruct and prep patient; assist as needed; monitor patient during procedure; observe response and status of patient.
Q035 De QUERVAIN'S RELEASE: witness consent, instruct and prep patient; assist as needed; monitor patient during procedure; observe response and status of patient.
Q507/9 DRESSING, CHANGE: see Q507, Q508
Q036 DRESSING, IMMOBILIZER (JONES): immobilize extremity with bull cotton and web roll.
<table>
<thead>
<tr>
<th>CODE</th>
<th>Description</th>
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<tbody>
<tr>
<td>Q037</td>
<td>INCISION AND DRAINAGE: see E047</td>
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<tr>
<td>Q038</td>
<td>LUMBOSACRAL (L-S) SUPPORT: velcro strap corset to torso</td>
</tr>
<tr>
<td>Q058</td>
<td>ORTHOPEDIC POST-OP EXAMINATION ASSISTANCE: assist physician with a routine post-operative clinic visit.</td>
</tr>
<tr>
<td>Q039</td>
<td>PAVLIK HARNESS: velcro strap hip splint to newborn with congenital hip dysplasia.</td>
</tr>
<tr>
<td>Q040</td>
<td>PIN/WIRE INSERTION: witness consent; instruct and prep patient; assist as needed; monitor patient during procedure; observe response and status of patient.</td>
</tr>
<tr>
<td>Q041</td>
<td>PIN/WIRE REMOVAL: see Q040.</td>
</tr>
<tr>
<td>Q042</td>
<td>PODIATRY, MINOR PROCEDURES, EXOSTOSES: witness consent, instruct and prep patient; assist as needed; monitor patient after foot/ankle procedure.</td>
</tr>
<tr>
<td>Q043</td>
<td>PODIATRY, MINOR PROCEDURES, HALLUX VALGUS: see Q042.</td>
</tr>
<tr>
<td>Q044</td>
<td>PODIATRY, MINOR PROCEDURES, HAMMER TOE SURGERY: see Q042.</td>
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<tr>
<td>Q045</td>
<td>PODIATRY, MINOR PROCEDURES, METATARSAL OSTEOTOMIES: see Q042.</td>
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<tr>
<td>Q046</td>
<td>PODIATRY, MINOR PROCEDURES, RESECTION ACCESSORY NAVICULAR: see Q042.</td>
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<tr>
<td>Q064</td>
<td>POSTERIOR LEG SPLINT (NON-CAST):</td>
</tr>
<tr>
<td>Q047</td>
<td>RELEASE FLEXION CONTRACTURES OF THE DIGITS: witness consent, instruct and prep patient; assist as needed; monitor patient after procedure.</td>
</tr>
<tr>
<td>Q048</td>
<td>REMOVAL, FIBROMA/LIPOMA/NEUROMA/SMALL MASS/CYST: see Q047.</td>
</tr>
<tr>
<td>Q049</td>
<td>REMOVAL OF FOREIGN BODY/SURGICAL DEVICE/RETAINED HARDWARE: see Q047.</td>
</tr>
<tr>
<td>Q050</td>
<td>RESECTION OF SOFT TISSUE MASS IN HAND OR FINGER: see Q047.</td>
</tr>
<tr>
<td>Q051</td>
<td>REVISION AMPUTATED FINGER TIP (UNCOMPLICATED): see Q047.</td>
</tr>
<tr>
<td>Q052</td>
<td>SLING: immobilize and support arm or shoulder.</td>
</tr>
</tbody>
</table>
Q000 - ORTHOPEDICS

CODE

Q058 SPLINT, ARM:

Q053 SPLINT, FINGER: immobilize digit with aluminum/plastic splint.

Q064 SPLINT, LEG, NON-CAST:

Q059 SPLINT, REPAD AND REAPPLY: repad worn splint.

Q054 SPLINT, TENNIS ELBOW: apply rubberized velcro loop around forearm

Q055 TENDON LACERATION REPAIR: see Q047.

Q060 TOENAIL, REMOVAL:

Q056 Z-PLASTY ON FINGER: see Q047.
<table>
<thead>
<tr>
<th>CODE</th>
<th>SERVICE DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>S001</td>
<td>HEARING SCREEN (AUDIO BOOTH): explain test to child, allow short trial to ensure child understands directions, perform actual test, document results.</td>
</tr>
<tr>
<td>S006</td>
<td>IMMUNIZATION, INJECTION/ORAL:</td>
</tr>
<tr>
<td>S002</td>
<td>SCHOOL/SPORTS PHYSICALS: Obtain school physical form and chart, insure lab work results are on chart, obtain height, weight, BP on child, do immunization screening, visual acuity test, record all information in chart as well as on school physical form, show child and parent to exam room.</td>
</tr>
<tr>
<td>S003</td>
<td>TYMPANOGRAM: explain procedure to child, position child, place electroacoustic impedance bridge, provide emotional support while recording in progress.</td>
</tr>
<tr>
<td>S004</td>
<td>WELL BABY CHECK: weigh, measure, record; assess parent's knowledge of how to take temperature; assess general health; answer parent's questions.</td>
</tr>
</tbody>
</table>
XO00 - SURGERY (GENERAL, PLASTIC)

CODE

XUO1 COLON - RECTAL EXAM (COLORECTAL) prep patient (procto exams require prep 2 fleets, if not done by pt prior to coming to clinic must be done in clinic prior to exam); diaper/gown/position patient, standby; assist in exam; clean room and exam instruments. See FJ01.

XU02 ENDOSCOPIES: schedule procedure; pre-op, intra-op, and post-op teaching; obtain "Golytely" prescription and take to pharmacy; prepare operative paperwork, consent, nursing notes, op report, position and diaper patient; start IV line; prepare and administer medications as required for sedation (1: push); open and/or prepare necessary supplies, instruments and equipment, circulate; monitor patient during procedure (BP and P q 5 min) (1:1); administer medication as required, prepare pack specimens, (1) label cup, (2) prepare tissue report, (3) log-in path log, (4) transport specimen to path lab; recover patient in recovery room (1:1); provide postsepsation instructions; provide postop instructions; clean procedures room and gurney. (see FJ05)

XU03 MINOR SURGICAL PROCEDURES: schedule procedure; do pre-op, intra-op, and post-op teaching; prepare operative paperwork, consent, nurse notes, op report; position patient on OR table; open and/or prepare necessary supplies, instruments and equipment; prepare operation area; circulate; monitor patient during procedure (BP & P q 5 min) (1:1); prepare path specimens: (1) label cup, (2) prepare tissue, (3) log-in path log, (4) transport specimen to path lab; provide patient with follow-up appointment and post op instructions; clean OR room and gurney; return used OR sets to CPD.

XU04 PERIPHERAL VASCULAR EXAM: pulse, BP (both arms), weight; pull Pt chart; perform pressure reading (plethysmography); remove and reapply Unna boots.

XU05 UNNA BOOT APPLICATION: apply medication and then secure boot to foot (feet).
REFERENCES


APPENDIX A

The Sherrod Code identified at the end of the ambulatory care operational definitions (S xxxx) corresponds to activities previously defined in the Nursing Care Hour Standards Study (Sherrod, Rauch, & Twist, 1981). The letter "r" by this number code (S xxxx r) denotes a similar patient care activity title but a change or revision in definition.

The operational definitions in ambulatory care services will include many patient care activities that are timed in the Sherrod study. The operational definitions in the inpatient nursing care hours study were used to time nursing care activities that were "carried out in the presence of the patient" (Sherrod, 1981, p. 4). The code is referenced to allow comparisons between the data. However, the direct patient care activities timed in the ambulatory care services will not be confined to those aspects of direct care activities carried out in the presence of a patient. Times for patient care activities will be recorded on a laptop computer so that the activity time will document the preliminary paperwork, the preparation of medications, supplies, and equipment, the procedure itself, the documentation of the procedure, and cleanup of care site and materials.
INDEX

x100 LOG IN/OUT

x101 Clinic log-in process
x102 Discharge against medical advice
x103 Discharge from ER
x104 Eligibility screening
x105 ER log-in
x106 Patient check-out process
x107 Patient triage ambulatory/eligibility
x108 Patient triage stretcher/wheelchair patient
x109 Prep. for admission to critical bed
x110 Prep. for admission to non-critical bed
x111 Prep. pt transfer to other facility
x112 Prescription renewal
x113 Receiving pt helicopter transfer

x200 WEIGHTS/MEASURES

x201 Abdominal girth measurement
x202 Ambulatory weight
x203 Automated BP and pulse monitor
x204 Blood pressure
x205 Body length measurement
x206 Body measurement (neck, waist, hips)
x206 Chest measurement
x207 Extremity circumference measurement
x208 Fetal heart tones, doppler
x209 Fetal heart tones, manual
x210 Head circumference
x211 Infant weight
x212 Measuring and recording intake
x213 Measuring and recording output, drainage bottles
x214 Measuring and recording output, liquid feces
x215 Measuring and recording output, Urine
x216 Oral temp, pulse and respirations
x217 Oral temp, pulse, resp, & manual BP
x218 Peak flow
x219 Pulse - apical
x220 Pulse - doppler
x221 Pulse - pedal/femoral/popliteal
x222 Pulse - radial/brachial
x223 Rect/ax temp, apical pulse, resp.
x224 Rectal Temp/Pulse, adult
x225 Rectal Temp/pulse, pediatric
x226 Respiration
x227  Temp - axillary, electronic/mercury
x228  Temp - oral, electronic/mercury
x236  Temp-(oral), pulse, respirations, BP, ambulatory weight
x237  Temp-(rectal), pulse, respirations, infant weight
x239  Temp - rectal electronic/mercury
x240  Tilts/orthostatic vital signs
x241  Visual acuity
x242  Weight, Urine dipstick and BP (manual/automated)
x243  Weight(standing), height, BP (manual/automated), pediatric
x244  Weight (standing), BP (manual/automated)

x300 - ASSESSMENT

x301  Assessment of skin/hair condition/infection
x302  Bowel sound assessment
x303  Cardiac assessment
x304  Clinic exit interview
x305  Clinic intake interview
x306  Corneal exam
x307  Crying patient
x308  Family advocacy interview
x309  Formalized patient contact complaint
x310  Gastrointestinal assessment
x311  Infant pulmonary assessment
x312  Mental alertness
x313  Motor/sensory testing
x314  Neurovascular check
x315  Nursing history (complete)
x316  Orientation
x317  Pt/sig. other support (crying pt)
x318  Ped growth and dev. assessment
x319  Physical exam, musculoskeletal
x320  Pulmonary assessment
x321  Pupil reflexes
x322  Sensory deficient patient support
x323  Ped growth and dev. assessment
x324  Vaginal bleeding assessment

x400 - TRANSPORT/SAFETY

x401  Adjusting restraint
x413  Assist to bathroom (on unit)
x402  Body restraint (application)
x403  Commercial leather restraint application, 2 point
x404  Commercial leather restraint application 3 point
x405  Placing infant on papoose board
x406  Securing child in mummy device
Transfer - ambulance stretcher to gurney/exam table
Transfer - vehicle/chair/toilet to wheelchair
Transfer - stretcher to wheelchair
Transfer - wheelchair to stretcher
Wrist or ankle restraint (non- cervical)

**x500 - GENERAL PROCEDURES/TREATMENTS**

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<td>Assisting patient with rectal exam</td>
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<tr>
<td>x502</td>
<td>Collect valuables/personal effects</td>
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<td>x503</td>
<td>Condom catheter application</td>
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<td>x504</td>
<td>Crutchwalking fitting/instruction</td>
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<td>x505</td>
<td>Debridgement, large wound</td>
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<tr>
<td>x506</td>
<td>Debridgement, small wound</td>
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<td>x507</td>
<td>Diaper change</td>
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<td>x508</td>
<td>Drg change, large (over 4 x 6&quot;)</td>
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<tr>
<td>x509</td>
<td>Drg change, small (less than 4 x 6&quot;)</td>
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<td>x510</td>
<td>Dressing, reinforcement</td>
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<td>x511</td>
<td>Dressing, wet sterile</td>
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<td>x512</td>
<td>Enema/feets</td>
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<td>x513</td>
<td>Fluid</td>
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<td>Foley catheterization</td>
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<td>Foley catheter removal</td>
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<td>Giving a bedpan</td>
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<td>Giving a urinal</td>
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<td>Ice pack</td>
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<td>Irrigation, ear - pediatric</td>
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<td>x523</td>
<td>Irrigation, eye</td>
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<td>x524</td>
<td>Irrigation, wound</td>
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<td>x525</td>
<td>Nasogastric tube - insertion</td>
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<td>x526</td>
<td>Nasogastric tube - irrigation</td>
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<td>x527</td>
<td>Nasogastric lavage (insert, irrigate)</td>
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<td>Nasogastric tube - removal</td>
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<td>x529</td>
<td>Observation</td>
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<td>Patch eye</td>
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<td>x532</td>
<td>Positioning/adjusting side rail</td>
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<td>x533</td>
<td>Positioning for X-ray</td>
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<td>x534</td>
<td>Positive LP tap patient</td>
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<td>x535</td>
<td>Precautions (isolation), goggles, mask and/or gloves</td>
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<td>x536</td>
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<td>Soak/removed from soak, hand/foot</td>
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<td>Strain urine</td>
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<td>x541</td>
<td>Suctioning with bulb syringe</td>
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<td>Code</td>
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<td>x539</td>
<td>Surgical Prep, local</td>
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<td>x540</td>
<td>Suture/Skin Clip Removal, 15</td>
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<td>x541</td>
<td>Suture/Skin Clip Removal, 15</td>
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<tr>
<td>x542</td>
<td>Suture Wound, less than 15 sutures</td>
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<tr>
<td>x543</td>
<td>Suture wound, more than 15 sutures</td>
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<td>x544</td>
<td>Undress patient/remove clothing</td>
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<td>x545</td>
<td>Warm soak</td>
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<td>x550</td>
<td>Wound, re-pack</td>
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**x600 - INSTRUCTION/EDUCATION**

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<td>Answer patient question</td>
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<td>Explanation of procedures/test, witness consent</td>
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<td>x621</td>
<td>Post-op instruction</td>
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<tr>
<td>x603</td>
<td>Teaching, blowbottles/incentive spirometer</td>
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<td>x604</td>
<td>Teaching, chemotherapy instruction</td>
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<td>Teaching, colostomy care</td>
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<td>x606</td>
<td>Teaching, diabetic</td>
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<td>x607</td>
<td>Teaching, diagnostic test</td>
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<td>x608</td>
<td>Teaching, diet/nutrition explanation</td>
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<td>Teaching, disease/condition related</td>
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<td>x610</td>
<td>Teaching, dressing change</td>
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<td>x611</td>
<td>Teaching, ileostomy/ileoconduit care</td>
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<td>x612</td>
<td>Teaching, insulin administration</td>
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<td>x613</td>
<td>Teaching, physical fitness instruct.</td>
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<td>x614</td>
<td>Teaching, postural drainage</td>
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<td>Teaching, preoperative instruction</td>
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<td>x620</td>
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**x700 - DIAGNOSTIC TESTS**

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<td>ECG, CAPOC linked to modem</td>
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<td>x720</td>
<td>ECG, rhythm strip-monitor</td>
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<tr>
<td>x710</td>
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<tr>
<td>x711</td>
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</table>
Hematocrit
Hemoccult or/guaiac testing, feces/vomitus/GI drainage
Holter monitor application
Holter pump application
Legal alcohol/drug screen
Lumbar puncture
Monitor leads application/exchange
Pathology specimens
PKU heel sticks
Pregnancy test
Rapid Throat Culture (strep) test
School physical exam lab work
Septic work up protocol
Stand-by for vag/pelvic exam
Straight catheterization
Theyer-Martin cultures, male
Treadmill (stress test)
Urine collection bag - application
Urine collection bag - removal
Urine dip and spin
Urine dip/chemstrip
Urine spec. gravity (index refractometer)
Urine spec. gravity (Urinometer)
Urine specimen collection (routine), assist
Venipuncture - blood culture
Venipuncture - blood samples
Venipuncture - pediatric

MEDICATIONS/IV THERAPY

Assist with IV insertion - small child
Assisting and monitoring child receiving blood products
Assisting and monitoring child receiving in chemotherapy
Assisting and monitoring child receiving intrathecal medication
Eye care
Instillation of drops, ear
Instillation of drops, eye
Instillation of drops, nose
Intra-muscular, narcotic
Intra-muscular, non-narcotic
Intrathecal med
Intravenous infusion - blood or blood products
Intravenous infusion - change IV bag/bottle
Intravenous infusion - check/fix
IV infusion - flow rate
IV infusion - infusion pump set-up
IV infusion - initiating
IV infusion - IV push med
IV infusion - piggyback medication
IV insertion/scalp vein
IV line - termination
Nebulizer treatment, adult
Nebulizer treatment, pediatric
Oral or per NG tube
Subcutaneous injection
SQ infiltration by xylocaine
Sublingual
Suppository, rectal/vaginal
Throat spray
Topical

EMERGENCY PROCEDURES

Airway insertion
Cardiopulmonary resuscitation
Nosebleed management
Respiratory resuscitation, ambu
Seizure care

GENERAL

Body temperature regulation, hypothermia:
Death care:
Fowlers/trendelenburg position:
Isolation, gowning and gloving:
Ring cutting:
Seizure precautions:
Thermal blanket:

ER, CARDIAC

Adjusting cardiac monitor/connection leads/reset alarm:
Cardioversion/defibrillation:
Central venous line placement:
External pacemaker:
Hickman/broviac catheter (central venous access):
Intravenous cutdown:
Tast suit application/removal:
Mediport (central venous access):
Rhythm strip measurement:
Rotating tourniquets, automated:
Rotating tourniquets, manual:

ER, GYN

Culdocentesis:
Emergency delivery:
Sexual assault protocol to collect legal specimens:
EO00 - ER, W

EO22 Suicide precautions:

EO00 - ER, PULMONARY

EO23 Chest pulmonary therapy with postural drainage:
EO24 Chest tube, insertion:
EO25 Chest tube, removal:
EO26 Cough and deep breathe:
EO27 Extubation:
EO28 Incentive spirometer:
EO29 Intubation
EO30 Oxygen administration, mask:
EO31 Oxygen administration, prongs:
EO32 Respiratory resuscitation, respirator:
EO33 Suctioning, endotracheal:
EO34 Suctioning, naso-tracheal:
EO35 Suctioning, oral:
EO36 Suctioning, tracheostomy:
EO37 Tracheostomy, changing tube:
EO38 Tracheostomy, cleaning cannula:
EO39 Tracheostomy, dressing change:
EO40 Thoracentesis:

EO00 - ER, TRAUMA

EO41 Child abuse:
EO42 Debridement (burn) procedure:
EO43 Decubitus care:
EO44 Extremity soft tissue injury care
EO45 Foreign body removal:
EO46 Glasgow coma scale
EO47 Head/neck trauma protocol:
EO48 Incision and drainage small abscess:
EO49 Needlestick protocol:
EO50 Spouse abuse:
EO50 Subungual hematoma release:

FO00 - GASTROENTEROLOGY

FO01 Colonoscopy:
FO02 Colostomy dressing change:
FO03 Colostomy irrigation:
FO04 Diagnostic laparoscopy:
FO05 Endoscopy:
FO06 Enema - cleansing:
FO07 ERCP - Endoscopic retrograde cholangio pancreatograph:
FO08 ERCP with sphincterotomy:
F009 Fecal impaction assessment/removal:  
F010 Ileostomy/ileoconduit - dressing change:  
F011 Liver biopsy:  
F012 Nasogastic tube - instillation:  
F013 Paracentesis:  
F014 Percutaneous endoscopic gastrostomy (PEG):  
F015 Sigmoidoscopy/proctoscopy:  

H000 - IMMUNIZATION/ALLERGY  
H001 Active duty immunization screening:  
H002 Allergy injection:  
H003 Allergy skin testing:  
H004 Anergen skin testing:  
H005 Immunization injection:  
H006 Immunization, injection and oral:  
H007 Immunization, oral:  
H008 Immunization consent form teaching:  
H009 Inhalers:  
H010 Instruction regarding immunization side effects:  
H011 Observation of allergy injection patient  
H012 Observation of allergy panel patient:  
H013 Overseas immunization screening:  
H014 Pulmonary function test:  
H015 Reading skin test(s):  
H016 School physical immunization screening:  
H017 Tuberculin skin test, prick:  
H018 Tuberculin skin prick & vaccine  
H019 Tuberculin skin test, intradermal (PPD):  

M000 - OBSTETRIC-GYNECOLOGY  
M001 Amniocentesis:  
M002 Childbirth education classes:  
M019 Culdocentesis:  
M010 Gynecologic procedure, assist  
M003 Initial ob visit interview, individual:  
M009 Initial ob visit "interview"/group conference:  
M004 Nipple stimulation contraction test:  
M003 Non-stress test:  
M006 Oxytocin challenge test:  
M007 Ultrasound  
M003 Ultrasound, biophysical profile  

Q000 - ORTHOPEDICS  
Q001 Ace wrap:  
Q052 Arm splint:  
Q002 Arthrocentesis:  

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Q003  Arthroscopy:
Q004  Brace, knee:
Q005  Brace, rom:
Q006  Carpal tunnel release:
Q007  Cast, cylinder:
Q008  Cast, double hip spica:
Q009  Cast, 1/2 hip spica:
Q010  Cast, gauntlet:
Q011  Cast, knee hinge:
Q012  Cast, long arm:
Q013  Cast, long arm thumb spica:
Q014  Cast, long leg non-weight bearing:
Q015  Cast, long leg walker:
Q016  Cast, patellar tendon bearing (lower leg):
Q017  Cast, reinforce:
Q018  Cast, removal only:
Q019  Cast, removal and x-ray:
Q020  Cast, scoliosis/body jacket:
Q021  Cast, shoe/boot:
Q022  Cast, short arm:
Q023  Cast, short arm with out-rigger:
Q024  Cast, short leg non-weight bearing:
Q025  Cast, short leg walker:
Q026  Cast, splint knee immobilizer:
Q027  Cast, splint, posterior leg:
Q028  Cast, splint, radial gutter:
Q029  Cast, splint, sugar tongs:
Q030  Cast, splint, ulnar gutter:
Q031  Cast, splint, volar:
Q032  Cast, thumb spica:
Q033  Cervical collar:
Q034  Clavicle strap:
Q035  Closed fracture reduction:
Q036  De quervain's release:
Q037  Dressing, change:
Q038  Dressing, immobilizer (Jones):
Q039  Incision and drainage:
Q040  L-S support:
Q041  Orthopedic post-op exam assist:
Q042  Pavlik harness:
Q043  Pin/wire insertion:
Q044  Pin/wire removal:
Q045  Podiatry, minor procedures, hallux valgus:
Q046  Podiatry, minor procedures, hammer toe surgery:
Q047  Podiatry, minor procedures, metatarsal osteotomies:
Q048  Podiatry, minor procedures, resection accessory navicular:
Q049  Posterior leg splint (non-cast):
Q047 Release flexion contractures of the digits:
Q048 Removal, fibroma/licoma/neuroma/sm mass/cyst:
Q049 Removal of foreign body/surg device/retained hardware
Q050 Resection of soft tissue mass in hand or finger:
Q051 Revision amputated finger tip (uncomplicated):
Q052 Sling:
Q053 Splint, arm:
Q054 Splint, leg non-cast:
Q055 Splint, read and reapply
Q056 Splint, tennis elbow:
Q057 Tendon laceration repair:
Q058 Toenail removal:
Q059 Z-plasty on finger:

S000 - PEDIATRICS

S001 Hearing screen (audio booth):
S006 Immunization, injection and oral:
S002 School/sports physicals:
S013 Tympanogram:
S004 Well baby check:

X000 - SURGERY (GENERAL, PLASTIC)

X001 Colon - rectal exam (colonscopy):
X002 Endoscopies:
X003 Minor surgical procedures:
X004 Peripheral vascular exam:
X005 Unna boot application
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<td>Ace wrap</td>
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<td>Active duty immunization screening</td>
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<td>Adjusting cardiac monitor/connection leads/reset alarm</td>
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<td>Adjusting restraint</td>
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<td>Airway insertion</td>
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<td>Allergy injection</td>
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<td>Assessment of skin/hair condition /infection</td>
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<td>Assist to bathroom (on unit)</td>
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<td>Assisting patient with rectal exam</td>
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<td>Brace, ROH</td>
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<td>Breathalyzer</td>
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</table>
Cardiac assessment
Cardiac monitoring
Cardiopulmonary resuscitation
Cardioversion/Defibrillation
Carpal tunnel release
Cast-brace, leg
Cast, cylinder
Cast, double hip spica
Cast, half hip spica
Cast, gauntlet
Cast, knee hinge
Cast, long arm
Cast, long arm thumb spica
Cast, long leg non-weight bearing
Cast, long leg walker
Cast, patellar tendon bearing
(lower leg)
Cast, reinforce
Cast, removal
Cast, removal and X-ray
Cast, scoliosis/body jacket
Cast, shoe/boot
Cast, short arm
Cast, short arm with out-rigger
Cast, short leg non-weight bearing
Cast, short leg walker
Cast, splint knee immobilizer
Cast, splint, posterior leg
Cast, splint, radial gutter
Cast, splint, sugar tongs
Cast, splint, ulnar gutter
Cast, splint volar
Cast, thumb spica
Central venous line placement
Cervical collar
Chest measurement
Chest pulmonary therapy
Chest tube, insertion
Chest tube, removal
Child abuse
Childbirth education class
Clavicle strap
Clinic exit interview
Clinic intake interview
Clinic log in process
Closed fracture reduction
Collect valuables/personal effects
Colon-rectal exam (colonoscopy)
Colostomy, dressing change
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<td>Commercial leather restraint application, 2 pts</td>
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<tr>
<td>Commercial leather restraint application, 4 pts</td>
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<td>Corneal exam</td>
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<td>Crutch walking fitting/instruction</td>
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<td>Crying patient</td>
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<td>ECG, CAPOC, link to modem</td>
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<td>ECG, Rhythm strip-monitor</td>
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<td>Family advocacy interview</td>
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<td>Fecal impaction assessment/removal</td>
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<td>Gastrointestinal assessment</td>
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<td>Giving a bedpan</td>
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<td>Giving a urinal</td>
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<td>Glasgow coma scale</td>
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<td>Gynecologic procedure, assist</td>
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<td>Head circumference</td>
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<td>Head/neck trauma protocol</td>
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<td>Hearing screen (audio booth)</td>
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<td>Hematocrit</td>
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<td>Hickman/ broviac catheter (central venous access)</td>
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<td>Holter monitor application</td>
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<td>Ice pack</td>
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<td>Ileostomy/Ileocostant dressing</td>
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<td>Immunization consent form teaching</td>
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<td>Immunization, injection</td>
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<td>Immunization, injection and oral</td>
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<td>Immunization, oral</td>
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<td>Incision and drainage</td>
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<td>Initial 03 visit &quot;interview&quot;/group conference</td>
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<td>Procedure</td>
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<td>Instillation of drops, ear</td>
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<td>Instillation of drops, eye</td>
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<td>Instillation of drops, nose</td>
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<td>Instruction regarding immunization side effects</td>
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<td>Intravenous cutdown</td>
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<td>IV infusion - flow rate</td>
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Podiatry, minor procedures, resection accessory navicular
Positioning/adjusting side rail
Positioning for X-ray
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Posterior leg splint
Post-op instruction
Precautions (isolation), goggles, mask and/or gloves
Pregnancy test
Prep. for admission to critical bed
Prep. for admission to non-crit bed
Prep. pt for transfer to other facility
Prescription renewal
Pulmonary assessment
Pulmonary function test
Pulse - apical
Pulse - doppler
Pulse - pedal/femoral/popliteal
Pulse - radial/brachial
Pupil reflexes
Rapid throat culture (strep) test
Reading skin test
Receiving pt helicopter transfer
Rect/ax temp, apical pulse, resp
Rect. temp/pulse, resp, manual BP, adult
Rectal temp/pulse, resp, manual BP, pediatric
Release flexion contracture, digit
Removal, fibroma/lipoma/neuroma/sm mass/cyst
Removal of foreign body/surg device/retained hardware
Resection of soft tissue mass in hand or finger
Respirations
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Undress patient/remove clothing
Unna boot application
Updating family/patient on condition
Urine collection bag - application
Urine collection bag - removal
Urine dip & spin
Urine dip/chemstrip
Urine spec. gravity (index refractometer)
Urine spec. gravity (Urinometer)
Urine specimen collection (routine)
  assist
Vaginal bleeding assessment
Venipuncture - blood culture
Venipuncture - blood samples
Venipuncture - pediatric
Visit with pt/purposeful interaction
Visual activity
Warm soak
Weight, height, adult
Weight (standing), height, BP
  (manual/automated), pediatric
Weight (standing), BP
  (manual/automated)
Weight, urine dipstick, BP
Well baby check
Wound, re-pack
Wrist or ankle restraint
  (non-commercial)
Z-plasty on finger
END
DATE
FILMED
FEB.
1988