



Health



*Emergency
Care Institute*
NEW SOUTH WALES

NSW EMERGENCY DEPARTMENT

RECOMMENDED STANDARD EQUIPMENT TABLE

June 2014

Information for using the Emergency Department Recommended Standard Equipment Table

- This equipment table was originally developed by NSW Health in 2009 and has been revised by the Clinical Advisory Committee of the Emergency Care Institute NSW in 2012 and again in 2014.
- For ease of use the table has been divided into NSW ED Role delineation Level 3/4 EDs and Level 5/6 EDs. The NSW Emergency Department definition by role delineation is included at the top of each table.
- This table is a recommendation for Emergency Departments establishing equipment requirements. The table has been developed with the assumption there will be exceptions to what is contained on this table. Par levels for each piece of equipment may vary depending on departmental needs. For example: a busy Level 4 ED may require more equipment than what is stated in the document, and conversely for departments not requiring equipment secondary to service needs being met.
- Although there is a separate column for Paediatric specific equipment, all other columns assume the full range of equipment is provided from neonates to adults where appropriate. This includes equipment such as blood pressure cuffs, defibrillation pads, physiological monitoring equipment and laryngoscope blades.
- This list does not address consumable products such as intravenous cannulas, oxygen masks etc. No indication is given on this list in relation to consumable and disposable products.
- Numerical values for the equipment will be site specific; the details on this list are a guide only for the safe and timely provision of care for patients. Individual sites may decide they require more or less specified equipment depending on historical data, patient populations or local support services configurations.
- Site specific requirements for manual handling equipment may also differ; this is left to the facility's discretion.
- The format in which individual sites administer intravenous medications will determine the amount of IV pumps and syringe drivers required. Some sites put all infusions through a syringe driver, others use only IV pumps. Again, details of requirements for this equipment will be site specific
- The table has attempted to reflect and account for emerging trends in Emergency Medicine in order to achieve best practice.
- Where possible, it is desirable to have resuscitation equipment which is compatible with other Critical Care units (eg: Intensive Care, Coronary Care and Retrieval Services).
- A process should be in place at each facility to ensure equipment is maintained, up to date, and in good working order.
- Specifications regarding beds in specific area of ED, such as the acute area, have not been stipulated. This should be determined by local need and take into consideration clinical requirements and Occupational Health and Safety issues.

- 3** • As Level 2 plus designated nursing staff available 24hr and nursing unit manager. Some registered nurses having completed or undertaken relevant post-basic studies. Has 24hr access to medical officers on site or available within 10 minutes. Specialists in General Surgery, Anaesthetics, Paediatrics and Medicine available for consultation. Full resuscitation facilities in separate area. Formal quality assurance program. Access to allied health professionals and liaison psychiatry.
- 4** • As Level 3 plus can handle most emergencies. Purpose designated area. Full-time director. Experienced medical officer(s) and nursing staff. Experienced registered nurses on site 24 hours. Specialists in general surgery, paediatrics, orthopaedics, anaesthetics and medicine on call 24 hours. May send out medical and nursing teams to disaster site. Participation in regional adult retrieval system (country base hospitals) is desirable. May be a Regional Trauma Service.
- **NOTE: All equipment will suit full range of Neonate to Adult capabilities required**

General Department	Triage Area	Subacute area (Including Fast Track)	Acute Area	Resuscitation Area All equipment to suit Neonates to Adult	Paediatric Specific
<ul style="list-style-type: none"> • Patient lifter to 300kg • Patient scales to 300kg • Bladder scanner • Portable examination light • Manual sphygmomanometer • Urine analysis machine • Point of care testing – determined by facility access to 24 hour pathology service • Blanket warmer • Transport defibrillator • Thigh size Blood Pressure cuff • Bariatric Trauma bed in ED or access to same within hospital • Bed side commode to 300kg • Ice machine (or access to same) • Bariatric wheelchair • Wheelchairs x1 per 10 beds • Sigmoidoscope • IV pumps x1 per bed space • Syringe drivers as required for infusions • Enteral feeding pump x1 • Pat slide and other manual handling devices • Access to pressure relieving mattresses 	<ul style="list-style-type: none"> • Spirometer x1 • Vital signs machine x1 • Otoscope/ ophthalmoscope • Glucometer x1 • Examination trolley • ECG machine 	<ul style="list-style-type: none"> • Glucometer x1 per 10 beds • Vital signs machine x1 per 4 beds • Thermometer x1 per 4 beds • Portable doppler machine <ul style="list-style-type: none"> ○ x1 foetal ○ x1 vascular • Portable oximeter machine • Portable PV light source • Portable ENT light source • Head lamp • Slit lamp • Plaster remover equipment (saw, spreaders) • Electric Ring cutter • Otoscope/ ophthalmoscope (each bed space) • Wall suction at each bed space • Breast pump • Access to pneumatic tourniquet (Biers block machine) • Adult entonox cylinder/wall supply in procedure room • Manual portable sphygmomanometer • ECG Machine • Tenometer • Dental kit 	<ul style="list-style-type: none"> • Glucometer x1 per 6 beds • Otoscope/ ophthalmoscope (each bed space) • Wall suction at each bed space • Physiological monitoring equipment (ECG, SpO2, NIBP) with central monitoring system • Vital signs machine x1 per 4 beds (if applicable) • Thermometer x1 per 4 beds • ECG machine x1 per 4 beds • Low pressure suction device 	<ul style="list-style-type: none"> • Glucometer x1 per 3 beds • Ketone monitor • NIV machine 1-2 (Bipap/CPAP) • Otoscope/ ophthalmoscope (each bed space) • Bedside Ultrasound machine • Mechanical Ventilator for each Resus bed • Hands free Defibrillator with external pacing capabilities each bed • Fiberoptic laryngoscope handles and blades • IV Fluid warmer machine • Fluid warming cabinet • Gas humidifier • Forced air blanket warmer • Wall suction at each bed space • Physiological monitoring equipment (ECG, SpO2, NIBP, Invasive monitoring, core temperature, capnography) each bed • Trauma trolley per bed space • Access to 24hr Blood gas analyser • Femur splint (Adult & Paediatric) • Syringe driver x2 per resus bed • IV pump x3 per resus bed • Difficult intubation options: <ul style="list-style-type: none"> - Fiberoptic intubating stylet - flextip laryngoscope blade - surgical airway equipment • Adult entonox wall supply each bed space • Tidal Volume spirometer (Wright's Spirometer) 	<ul style="list-style-type: none"> • Continuous Oxygen saturation monitor with waveform • Infant scales • Nitrous oxide blender • Patient warming device eg overhead warmer (or access to same) • Paediatric Vein transilluminator • Pressure controlled IV pump device x3 • Broselow tape • Electric Intra osseous access device • Axillary Thermometer • Mixture of Trauma beds and cots • Head box oxygen • Neonatal ventilator • Diversion equipment TV/DVD player, computer games, distraction box • Bubble CPAP

- 5**
- As per Level 4 plus can manage all emergencies and provide definitive care for most. Access to clinical nurse consultant is desirable. Has undergraduate teaching and undertakes research. Has designated registrar. May be Area/Regional Trauma Service. May have neurosurgery service.
 - As Level 5 plus has neurosurgery and cardiothoracic services on site. Sub-specialists available on rosters. Has registrar on site 24 hours. May be designated Supra-Area Trauma Service.
- 6**
- NOTE: All equipment will suit full range of Neonate to Adult capabilities required**

General Department	Triage Area	Subacute Area (Including Fast Track)	Acute Area	Resuscitation Area All equipment to suit Neonates to Adult	Paediatric Specific
<ul style="list-style-type: none"> Patient lifter to 300kg with lifting scoop (spinal patients) Patient Scales to 300kg Bladder scanner Blanket warmer Transport defibrillator Urine analysis machine Point of care testing – determined by facility access to 24 hour pathology service Thigh size Blood Pressure cuff Bariatric Trauma bed in ED or access to same within hospital Bed side commode to 300kg Ice machine (or access to same) Bariatric wheelchair Wheelchairs x1 per 10 beds sigmoidoscope Enteral feeding pump x1 Pat slide and other manual handling devices Hands free Defibrillator for general ED area Access to pressure relieving mattress 	<ul style="list-style-type: none"> Spirometer x1 Vital signs machine x2 Otoscope/ ophthalmoscope x2 Glucometer x2 ECG machine Examination trolley 	<ul style="list-style-type: none"> Glucometer x1 Otoscope/ophthalmoscope (each bed space) Vital signs machine x1 per 4 beds Thermometer x1 per 4 beds Spirometer ECG machine IV pump x1 per bed space Portable examination light Manual portable sphygmomanometer Portable doppler machine <ul style="list-style-type: none"> o x1 foetal o x1 vascular Portable PV light source Portable ENT light source Head lamp Slit lamp Plaster removal equipment (saw, spreaders) Electric Ring cutter Wall suction at each bed space Breast pump Adult entonox cylinder/wall supply in procedure room Tenometer Dental kit 	<ul style="list-style-type: none"> IV Fluid warmer machine Gas humidifier Glucometer x1 per 6 beds Otoscope/ ophthalmoscope (each bed space) Spirometer ECG machine x1 per 4 beds Portable examination light Syringe drivers as per department needs IV pump x1 per bed space Manual sphygmomanometer Wall suction at each bed space Physiological monitoring equipment (ECG, SpO2, NIBP) per bed with central monitor system Thermometer x1 per 4 beds Low pressure suction device 	<ul style="list-style-type: none"> Syringe driver x2 per resus bed IV pump x 3 per resus bed Glucometer x1 Ketone monitor Otoscope/ ophthalmoscope (each bed space) NIV machine x3 (Bipap/CPAP) Bedside Ultrasound machine x2 Mechanical Ventilator for each Resus bed Hands free Defibrillator for each bed with external pacing capabilities Fiberoptic laryngoscope handles and blades each resus bed IV Fluid warmer machine Fluid warming cabinet Gas humidifier Forced air blanket warmer +/- Rapid infuser (Trauma centre) Wall suction at each bed space Physiological monitoring equipment (ECG, SpO2, NIBP, Invasive monitoring, core temperature, capnography) each bed femur splint (adult & Paediatric) Difficult intubation options: <ul style="list-style-type: none"> - Fiberoptic intubating stylet - flextip laryngoscope blade - surgical airway equipment Gantry/Digital x-ray to all rooms/beds Trauma trolley per bed space Adult entonox wall supply each bed space Tidal Volume spirometer (Wright's Spirometer) 	<ul style="list-style-type: none"> Continuous Oxygen saturation monitor with waveform x4 Infant scales Otoscope/ ophthalmoscope (each bed space) Nitrous oxide blender Patient warming device eg overhead warmer Paediatric Vein transilluminator Pressure controlled IV pump device x6 Broselow tape Electric Intra osseous access device Axillary Thermometer Head box oxygen Neonatal ventilator Physiological monitoring (ECG, SpO2, NIBP) minimum 2 beds Mixture of trauma beds and cots Diversion equipment TV/DVD player, computer games, distraction box Bubble CPAP