



Patient Bay - Neonatal, Special Care

Room Code	PTB-NEO-SC
Briefed Area	12.50 m ²
Ceiling Height	2.7 m
Occupancy	1 patient; 1-2 visitors; up to 6 staff
Hours of Operation	24 hours

Description | The Patient Bay - Neonatal, Special Care provides the space, services and facilities for the medical care of newborns that are premature and/or not sufficiently stable to be discharged. The patient bay also provides amenities for family integrated care, including space and furniture that supports skin-to-skin contact (kangaroo care), breastfeeding and expressing breast milk, and rest for parents and family.

Electrical	PROTECTION: body protected	<input checked="" type="checkbox"/>	HVAC	AIRCONDITIONING: general	<input checked="" type="checkbox"/>
	PROTECTION: cardiac protected	<input type="checkbox"/>		AIRCONDITIONING: HEPA filtered	<input type="checkbox"/>
Lighting	LIGHTING: general	<input checked="" type="checkbox"/>	Medical Gas	AIRCONDITIONING: positive pressure	<input type="checkbox"/>
	LIGHTING: colour corrected	<input checked="" type="checkbox"/>		AIRCONDITIONING: negative pressure	<input type="checkbox"/>
	LIGHTING: dimmable	<input checked="" type="checkbox"/>		VENTILATION: exhaust	<input type="checkbox"/>
	LIGHTING: indirect	<input type="checkbox"/>		VENTILATION: supply	<input type="checkbox"/>
Nurse Call and Duress	NURSE CALL SYSTEM: buttons / handset	<input checked="" type="checkbox"/>		VENTILATION: natural	<input type="checkbox"/>
	NURSE CALL SYSTEM: annunciator	<input type="checkbox"/>		MEDICAL GAS: general anaesthesia	<input type="checkbox"/>
	DURESS: fixed	<input type="checkbox"/>		MEDICAL GAS: special care	<input type="checkbox"/>
	DURESS: wireless coverage	<input checked="" type="checkbox"/>		MEDICAL GAS: special care, neonatal ventilation	<input checked="" type="checkbox"/>
Security	ACCESS CONTROL: to door	<input type="checkbox"/>	Hydraulic	MEDICAL GAS: birthing	<input type="checkbox"/>
	ACCESS CONTROL: to item / joinery	<input type="checkbox"/>		WATER: drinking	<input type="checkbox"/>
	INTERCOM: service communications	<input type="checkbox"/>		WATER: specialty	<input type="checkbox"/>
	INTERCOM: security and access control	<input type="checkbox"/>		DRAINAGE: sanitary	<input type="checkbox"/>
	CCTV: camera coverage within room	<input type="checkbox"/>		DRAINAGE: specialty	<input type="checkbox"/>
	INTRUSION DETECTION: door monitoring	<input type="checkbox"/>	Fire	DETECTION: smoke	<input checked="" type="checkbox"/>
	INTRUSION DETECTION: spatial monitoring	<input type="checkbox"/>		DETECTION: heat	<input type="checkbox"/>
ICT and Audio Visual	AUDIO VISUAL: patient entertainment system	<input type="checkbox"/>	Shielding	SHIELDING: ionising radiation	<input type="checkbox"/>
	AUDIO VISUAL: visitor experience system	<input type="checkbox"/>		SHIELDING: magentic and radio frequency	<input type="checkbox"/>
	AUDIO VISUAL: virtual collaboration system	<input type="checkbox"/>	Acoustics	SPEECH PRIVACY:	
	AUDIO VISUAL: clinical support system	<input type="checkbox"/>		not private moderate private confidential	
	AUDIO VISUAL: digital operating room system	<input type="checkbox"/>		NOISE SENSITIVITY:	
Accessibility	AUDIO: hearing augmentation	<input type="checkbox"/>		not sensitive low medium high	
	VISUAL: luminance contrast	<input checked="" type="checkbox"/>		NOISE GENERATION:	
	SIGNAGE: accessible, statutory	<input type="checkbox"/>		low moderate high very high	

Additional Considerations

- A width of 1m around the humidicrib/care station is to be maintained clear of any fixed items to support access for staff and equipment in an emergency.
- The layout shown in this Standard Component assumes that NETS (Newborn and Paediatric Emergency Transport Service) retrievals of critically ill newborns would be undertaken in a separate dedicated space, not within the Special Care patient bay.
- Lighting within the patient bay and from adjacent corridor areas should be carefully considered and should be dimmable and adjustable to suit requirements at different times of day. Continuous bright light is detrimental and causes stress for newborns.

Lighting should be zoned to allow separate control for lighting in the family area. Direct overhead lighting should be avoided. The use of cyclic lighting controls may be considered and are to be confirmed at project level.

- Visual access to the room from a Staff Station is required.
- In planning of the overall department, room layouts should not be mirrored. Layouts are to be "handed", with any specific items being "mirrored" to be confirmed at project level to suit clinical service requirements.
- The patient bay may be configured with either half height walls or full height walls to the sides of the bay. Height of walls and provision of any glazing is to be determined at a project level to suit the overall department layout and requirements for patient observation. Location of wall mounted items and configuration of privacy curtains and tracks are to be confirmed to suit wall heights. Where half height walls are provided, curtains of a shorter length may be provided above to ensure visual privacy can be achieved as required. Curtains and curtain tracks are optional; units may choose to use portable screens in lieu of ceiling mounted privacy curtains.
- Support for care of multiples (twins, triplets, quads) with a small number of bays configured without a separating wall may be considered when determining the overall layout of unit.
- Alcohol-based hand rub (ABHR) may be provided in wall mounted dispensers or in a holder that can be attached to a trolley. The location of ABHR is to be confirmed at project level to support staff to comply with the '5 Moments of Hand Hygiene' practices and local IPC policies and support use by family and visitors as required.
- A Type A handwashing basin is to be located nearby and may be shared between 4-6 bays (subject to the unit layout and ease of access from each bay). Refer to Part D Section 4.1.2-5 for more information.
- Per clinical services planning, enclosed bays may be provided. Where a patient bay is enclosed, a handwashing basin (Type A) and a glazed sliding door (minimum 1400 clear opening) is to be provided. Additional area will be required to accommodate the basin, the door circulation and any dedicated dirty linen and waste receptacles (depending on operational models).
- For enclosed bays, the extent of glazing is to be determined at project level to suit the overall department layout and requirements for patient observation. Provision of integral blinds or extension of the privacy curtain track over internal glazing is to be determined to suit requirements for observation, family privacy and infection prevention and control requirements (IPC).
- For requirements for enclosing and adapting the patient bay for provision of an isolation room, e.g. provision of an anteroom, access to PPE, air handling and pressure, etc. refer to 'AusHFG Part D: Infection Prevention and Control' and 'AusHFG Isolation Room- Engineering and Design Requirements'.
- Overall content and configuration of the medical services panel is to be confirmed at project level, including type and quantity of medical gases, power and data. The final arrangement will be dependent on clinical service requirements and will vary depending on clinical needs and the selection of mobile or rail/wall mounted equipment.
- The frequency of use and storage of nitric oxide cylinders is to be confirmed at project level to clinical service requirements and operational models for medical gas cylinder storage. A medical gas outlet for scavenge or mobile scavenging equipment may be required where nitric oxide is to be used.
- Provision of external windows for natural light and external outlook is desirable and may be provided to individual patient bays or shared by a group/pod of bays. Overall department layout will determine location of external windows. Ability to achieve blocking/blackout of light as needed to be assessed to support patient and family rest. Integral blinds to be provided to windows in neonatal special care patient areas to meet cleaning and infection prevention and control (IPC) requirements; refer to Part D Section 6.4 for more information.
- Furniture to accommodate family within the room is to be confirmed at project level to ensure the selected items provide comfortable seating, support breastfeeding and expressing breast milk, enable skin-to-skin contact (kangaroo care) and can be used for sleeping. Operational models for provision of linen, the extent and configuration of property storage to be provided, and the ability/requirement to fold-up or pack away furniture used for sleeping when it is not in use must also be considered. Fixed joinery items may be considered; however, freestanding furniture is recommended to support flexible arrangements. Cleaning processes/products, and infection prevention and control (IPC) requirements must also be considered in assessment of furniture and upholstery selection.
- Refer to HPU 390 Neonatal Care Unit for information on overnight stay rooms for family and rooming-in models that are separate from the patient bay.
- Provision and storage of chairs for visitors that can be shared between bays and brought to a patient bay as needed to accommodate larger groups for short periods is to be considered.
- A dedicated power outlet, clearly separate from the Medical Services Panel (MSP), is recommended to support family and visitor use/charging of portable devices. Inclusion of integral USB outlets will depend on local ICT policies.
- Access to patient bays for mothers who are inpatients and may be brought in on a patient bed (when they are not able to be brought in a wheelchair) is to be considered. Visits and transportation from the inpatient unit are typically managed by the inpatient staff. The mother's bed must be able to be located so that corridors to other patient bays are not blocked for staff and equipment. The location must also ensure access to the head of the mother's bed can be achieved easily if their condition deteriorates.
- Storage of breast milk/formula (fridge within neonatal cubicle or in central room) to be confirmed at project level to suit local jurisdictional and operational service requirements. Provision of fridges for storing breast milk/formula requires BMS monitoring.
- Requirements for staff notetaking/write-up within the bay, including use of electronic medical records, are to be confirmed at project level to suit clinical service requirements and local ICT policies. This may include the use of workstations on wheels (WOWs)

that are kept with staff members and require parking areas and charging facilities within the unit, or provision of fixed wall mounted computers in each bay, requiring tap-on login capability. Facilities with paper-based medical record systems or hybrid paper/digital systems may require provision of a document holder within the bay. Provision of wall mounted computers will require side walls to be raised to provide adequate structural support within the wall.

- Additional ICT requirements (cameras, display screens, building services, etc.) for virtual care such as patient monitoring/ assessment, staff support, family consultation etc. (e.g. in rural and remote facilities) are to be confirmed at project level to suit clinical service requirements.
- Mobile duress coverage is to be assessed and planned at a department level and coverage of all patient areas is to suit local security and WHS policies and operational service requirements.
- The configuration of the Nurse Call system, including provision of “quiet call” systems that aim to reduce noise by alerting staff on handheld devices, is to be assessed at project level to suit clinical services requirements and local ICT policies.
- High noise levels are detrimental to newborn health. Ceiling and wall finishes are to be suitable for the cleaning required in clinical environments, with acoustic treatments that meet infection prevention and control requirements to be considered and assessed to reduce the impact of noise within the patient bay.
- Projects are to confirm the types of medical procedures requiring equipment to be powered from an isolated supply within the patient bay to confirm the requirement for provision of a line isolation monitor within the bay.
- Provision of emergency/standby power or uninterruptible power supply (UPS) is to be confirmed to suit site and service requirements. Confirmation to be based on risk assessment considering the impact of a power outage on patient care/safety.
- Provision of cleaner’s power outlets is to be rationalised across the department and spaced in accordance with AS/NZS 3003.



Finishes

CODE	DESCRIPTION	COMMENT
FLVY-101	FLOOR FINISH: vinyl, seamless, standard slip resistance	
FLSK-021	SKIRTING: vinyl, integral with floor vinyl, coved	
WLFI-002	WALL FINISH: paint, clinical areas	
WLFI-011.03	WALL FINISH: vinyl, to 1200 AFFL	
CLFS-011	CEILING: flush set, suspended	finish to be suitable for clinical environments, refer to local engineering services guidance for acoustic performance requirements (i.e. reverberation time control, sound absorption class, etc.)
CLFI-002	CEILING FINISH: paint, clinical areas	
CLCN-031	CORNICE: square set	
WLPR-006.03	WALL PROTECTION: corner guards, to 1200 AFFL	



Joinery

CODE	DESCRIPTION	GROUP	QTY	COMMENT
JOBE-001	BENCH: 450D, laminate	①	1	
JOCU-221	CUPBOARD: under bench, double door	①	1	may be lockable for storage of personal belongings



Fittings, Furniture and Equipment (FF&E)

CODE	DESCRIPTION	GROUP	QTY	COMMENT
FIBM-019	WHITEBOARD: fixed, magnetic	②	1	
FIDI-241	DISPENSER: alcohol-based hand rub, wall mounted	②	2	
FIHR-101	BRACKET: suction bottle, wall mounted	②	4	
FIHR-113	BRACKET: sharps bin, trolley mounted	②	1	

CODE	DESCRIPTION	GROUP	QTY	COMMENT
FIHR-408	BRACKET: patient monitor, articulated, wall mounted	②	1	
FIRT-051.03	TRACK: curtain, privacy, U-shaped	①	1	optional
FQBS-101	CHAIR: visitor, clinical areas	③	1	
FQBS-172	CHAIR: office, ergonomic, high	③	1	
FQBS-284	RECLINER: visitor, clinical areas, lay flat, kangaroo care	③	1	
FQCA-211	APPLIANCE: bottle warmer, benchtop, domestic	③	1	
FQGE-101	CURTAIN: privacy screen	③	1	optional
FQWS-003	BIN: sharps, clinical, medium	③	1	
ITCL-464	CAMERA: patient observation, neonatal, crib mounted	①	1	
ITNE-076	TELEPHONE: handset, wall mounted	②	1	
ITNE-111	COMPUTER: workstation on wheels (WOW), medical grade, all-in-one computer, keyboard and mouse, on cart	③	1	
LIFX-122	LIGHT: procedure, minor, articulated, ceiling mounted	①	1	
MMGE-045	POLE: IV, mobile	③	2	
MMGE-191	CANNISTER: suction bottle	③	4	
MMGE-311	DEVICE: pump, breast milk	③	1	
MMHA-061	DEVICE: ventilator, neonatal	③	1	
MMMA-016	INCUBATOR: infant, closed cot, humidicrib	③	1	
MMMA-131	FRIDGE: milk, 15L nominal, single door, benchtop	③	1	provision to suit local jurisdictional policies for breast milk storage to be centralised or decentralised; temperature monitoring is required
MMPM-026	MONITOR: patient, high acuity, neonatal	③	1	
MMTR-053	TROLLEY: airway/intubation, 750W x 490D x 900H nom	③	1	



Engineering Services

CODE	DESCRIPTION	GROUP	QTY	COMMENT
ELGP-105	GPO: single, wall mounted, cleaner	①	1	
ELGP-131	GPO: single, emergency power, wall mounted	①	1	
ELGP-136	GPO: single, emergency power, ceiling mounted	①	1	
ELGP-231	GPO: double, emergency power, wall mounted	①	4	
ELPR-031	PANEL: UPS status indicator, wall mounted	①	1	
ELSW-001	SWITCH: light	①	1	
ITCL-121	BUTTON: nurse call, patient to staff call, with cancel, wall mounted	①	1	
ITCL-181	BUTTON: nurse call, staff assist, with cancel, wall mounted	①	1	
ITCL-251	HANDSET: nurse call, patient to staff call	①	1	
ITIN-016	OUTLET: data, single RJ45, wall mounted	①	3	
ITIN-026	OUTLET: data, double RJ45, wall mounted	①	1	
LIFX-151	LIGHT: night, wall mounted	①	1	
LIFX-161	LIGHT: reading, wall mounted	①	1	



Medical Services Panels and Pendants

CODE	DESCRIPTION	GROUP	QTY	COMMENT
Panel 1				
MMSP-051	MEDICAL SERVICES PANEL: wall mounted	1	1	centre panel
MGAS-022	OUTLET: medical air, on services panel	1	2	
MGAS-022	OUTLET: medical air, on services panel	1	1	optional
MGAS-042	OUTLET: oxygen (O2), on services panel	1	4	
MGAS-062	OUTLET: suction, on services panel	1	4	
MGFP-021	FLOWMETER: medical air	3	2	
MGFP-041	FLOWMETER: oxygen	3	4	
MGFP-061	ADAPTER: suction	3	4	
Panel 2				
MMSP-051	MEDICAL SERVICES PANEL: wall mounted	1	1	patient's right
ELGP-146	GPO: single, emergency power, on services panel	1	3	
ELGP-176	GPO: single, UPS, on services panel	1	1	
ELPR-083	RCD: residual current device, emergency power, on services panel	1	1	
ITIN-025	OUTLET: data, double RJ45, on services panel	1	1	
Panel 3				
MMSP-051	MEDICAL SERVICES PANEL: wall mounted	1	1	patient's left
ELGP-146	GPO: single, emergency power, on services panel	1	3	
ELGP-176	GPO: single, UPS, on services panel	1	1	
ELPR-083	RCD: residual current device, emergency power, on services panel	1	1	
ITIN-025	OUTLET: data, double RJ45, on services panel	1	1	

For guidance on how to use the Room Data Sheet, please visit the ["Room Data Sheet Guidance" page on the AusHFG website](#).