

Part B - Health Facility Briefing and Planning

540 PAEDIATRIC/ ADOLESCENT UNIT

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INTRODUCTION

Description

- 540 .2.00 The Paediatric/ Adolescent Unit is an Inpatient Accommodation Unit with special provisions for paediatric and adolescent general medical and surgical patients.
- The Unit is specifically designed to reflect the varying physical and psychological needs of children and adolescents aged from one month to fourteen years.

PLANNING

Functional Areas

- 540 .3.00 The Paediatric/ Adolescent Unit will consist of the following Functional Areas:
- Patient areas including Bedrooms, Isolation Rooms, Play Areas, Multipurpose Activities area, Nursery and feeding areas, Ensuities and Bathrooms
 - Support areas including Staff Station, Utilities, Formula, Store, Pantry, Cleaner's and Disposal Rooms; support rooms may be shared with adjacent units if appropriate
 - Staff Areas including Offices, Meeting Rooms, Staff Change and Toilets.
- 540 .4.00 STORAGE
- Storage rooms or cabinets for toys and educational and recreational equipment shall be provided within the unit.
- 540 .5.00 Storage space shall be provided to permit exchange of cribs and adult beds. Provisions shall also be made for storage of equipment and supplies such as cots or recliners and extra linen for parents who stay with the patient overnight.

Functional Relationships

- 540 .6.00 The Paediatric/ Adolescent Unit should be located with ready access to Emergency Unit, Operating Unit, Critical Care areas and Medical Imaging areas. It should be located to avoid the need for through traffic.

DESIGN

Space Standards and Components

- 540 .7.00 PATIENT BEDROOMS

Maximum room capacity shall be four patients.

COMPONENTS OF THE UNIT

Introduction

- 540 .8.00 The Paediatric/ Adolescent Unit may consist of a combination of Standard Components and Non-Standard Components.

Standard Components must comply with details in Standard Components described in these Guidelines. Refer also to Standard Components Room Data Sheets.

Standard Components

- 540 .9.00 Provide the Standard Components as identified in the Schedule of Accommodation.

Non-Standard Components

- 540 .10.00 Provide the Non-Standard Components as identified in this section and in the Schedule of Accommodation, according to the Operational Policy and Functional Brief.

- 540 .11.00 NURSERY

DESCRIPTION AND FUNCTION

The Nursery will provide facilities for the care of babies. To minimize the possibility of cross infection, each Nursery Room (or defined Nursery Bay) serving paediatric patients shall contain no more than eight bassinets; each bassinet shall have a minimum clear floor area of 3.75 m².

Note: The above limitation on number of patients in a Nursery Room does not apply to the Paediatric Intensive Care Unit.

- 540 .12.00 LOCATION AND RELATIONSHIPS

The Nursery shall be located with direct observation from the Staff Station and with ready access to feeding areas and Clean Utility.

- 540 .13.00 CONSIDERATIONS

Each Paediatric Nursery shall have an area for instruction and parent contact with the infant including breast and/or bottle feeding. This may be a section of the nursery with provisions for privacy and quiet.

Additional room requirements will include the following:

- Staff handbasin with lever taps
- Emergency call system

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- Glazed viewing window for observing infants from public areas and workrooms
- Direct access to a Clean Utility.

540 .14.00 MULTIPURPOSE ROOM

DESCRIPTION AND FUNCTION

Multi-purpose or individual room/s shall be provided for dining, education, and developmentally appropriate play and recreation, with access and equipment for patients with physical restrictions. If the functional brief requires, an individual room shall be provided to allow for confidential parent/ family comfort, consultation, and teaching.

The size of the Multi-purpose Room will be dependent on the number of persons to be accommodated and the range of equipment and toys provided.

540 .15.00 LOCATION AND RELATIONSHIPS

The Multi-purpose Room should be located within or adjacent to areas serving paediatric and adolescent patients.

540 .16.00 CONSIDERATIONS

Insulation, isolation, and structural provisions shall minimise the transmission of impact noise through the floor, walls, or ceiling of the Multi-purpose Room/s.

Fittings and furniture will include provisions for children and adolescents including toys, computers, CD, television and video.

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APPENDICES

Paed/Adol. Unit Generic Schedule of Accommodation

540.17.00 Schedule of Accommodation for a Paediatric/ Adolescent Unit at Levels 4 to 6:

ROOM / SPACE	Standard Component			Level 4 Qty x m2	Level 5 Qty x m2	Level 6 Qty x m2	Remarks
1 BED ROOM	yes			4 x 15	4 x 15	4 x 15	
1 BED ROOM - ISOLATION	yes			1 x 15 optional	1 x 15 optional	1 x 15 optional	Refer to Infection Control for details
2 BED ROOM	yes			3 x 25 optional	3 x 25 optional	3 x 25 optional	
4 BED ROOM	yes			1 x 42 optional	1 x 42 optional	1 x 42 optional	
ANTEROOM	yes			1 x 8 optional	1 x 8 optional	1 x 8 optional	Refer to Infection Control
BAY - HANDWASHING	yes			4 x 1	4 x 1	4 x 1	In addition to handbasins in Bedrooms
BAY - LINEN	yes			1 x 3	1 x 3	1 x 3	Includes allowance for Blanket Warmer
BAY - RESUS TROLLEY	yes			1 x 2	1 x 2	1 x 2	
CLEANER'S ROOM	yes			1 x 4	1 x 4	1 x 4	
CLEAN UTILITY	yes			1 x 12	1 x 12	1 x 12	
DISPOSAL ROOM	yes			1 x 8	1 x 8	1 x 8	
DIRTY UTILITY	yes			1 x 10	1 x 10	1 x 10	
ENSUITE - STANDARD	yes			9 x 5	9 x 5	9 x 5	
FEEDING ROOM				1 x 9	1 x 9	1 x 9	
FORMULA ROOM	yes			1 x 9	1 x 9	1 x 9	
MULTI-PURPOSE ROOM				1 x 24	1 x 24	1 x 24	With provisions for children/ adolescents including toys, computers etc
NURSERY				1 x 15	1 x 15	1 x 15	Will require access to Utility Rooms and Storage
PANTRY	yes			1 x 8	1 x 8	1 x 8	
PLAY ROOM				1 x 20	1 x 20	1 x 20	
SHOWER - PATIENT	yes			1 x 4 optional	1 x 4 optional	1 x 4 optional	For 4 Bed Room/s
STAFF STATION	yes			1 x 14	1 x 14	1 x 14	
STORE - BEDS / COTS				1 x 12	1 x 12	1 x 12	
STORE - GENERAL	yes			1 x 9	1 x 9	1 x 9	
TOILET - PATIENT	yes			1 x 4 optional	1 x 4 optional	1 x 4 optional	For 4 Bed Room/s
TREATMENT ROOM	yes			1 x 15	1 x 15	1 x 15	

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CIRCULATION %				32	32	32	

540.18.00 ADOLESCENT UNIT OF 15 BEDS

Note: For a Level 6 service, a group of beds are designated Adolescent:

ROOM / SPACE	Standard Component		Level 3 Qty x m2	Level 4 Qty x m2	Level 5 Qty x m2	Level 6 Qty x m2	Remarks
1 BED ROOM	yes					7 x 15	
2 BED ROOM	yes					4 x 25 optional	
BAY - HANDWASHING	yes					4 x 1	In addition to handbasins in Bedrooms
BAY - LINEN	yes					1 x 2	
BAY - RESUS TROLLEY	yes					1 x 2	
ENSUITE - STANDARD	yes					11 x 5	
LOUNGE - PATIENT / DAY ROOM	yes					1 x 15	To accommodate computers, games, CD players, videos etc
PANTRY	yes					1 x 8	
STAFF STATION	yes					1 x 14	
STORE - GENERAL	yes					1 x 9	

540.19.00 STAFF AND SUPPORT AREAS

Note: Offices and Support Areas are dependent on the Operational Policy and management structure:

ROOM / SPACE	Standard Component		Level 3 Qty x m2	Level 4 Qty x m2	Level 5 Qty x m2	Level 6 Qty x m2	Remarks
CONSULT ROOM	yes				1 x 12 optional	1 x 12 optional	
MEETING ROOM	yes				1 x 15 optional	1 x 15 optional	
OFFICE - SINGLE PERSON 9 M2	yes		1 x 9	1 x 9	1 x 9	1 x 9	Unit Manager
OFFICE - SINGLE PERSON 9 M2	yes				1 x 9 optional	1 x 9 optional	Registrar

540.20.00 SHARED AREAS

ROOM / SPACE	Standard Component		Level 3 Qty x m2	Level 4 Qty x m2	Level 5 Qty x m2	Level 6 Qty x m2	Remarks
BATHROOM	yes			1 x 10	1 x 10	1 x 10	
CLEAN UTILITY	yes					1 x 12	
DIRTY UTILITY	yes					1 x 10	

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PHYSIOTHERAPY TREATMENT					1 x 20	1 x 20	
PROPERTY BAY - STAFF	yes		1 x 6	1 x 6	1 x 6	1 x 6	
TOILET - STAFF	yes		1 x 2	1 x 2	1 x 2	1 x 2	

References and Further Reading

- 540 .21.00 - American Institute of Architects, Guidelines for Design & Construction of Hospital & Healthcare Facilities, 1997.
- NSW Health, Design Standard 22 Health Building Guidelines - 12 Bed Paediatric/ Adolescent Unit, 1992.

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FUNCTIONAL RELATIONSHIPS DIAGRAM - PAEDIATRIC & ADOLESCENT UNIT

