

41.0 Rehabilitation – Allied Health Unit

41.1 Introduction

41.1.1 Description

The Rehabilitation – Allied Health Unit provides a multi-disciplinary rehabilitation service care in which the clinical intent or treatment goal is to improve the functional status of a patient with an impairment, disability or handicap.

Facilities for Physiotherapy and Occupational Therapy will vary greatly, ranging from large, purpose-designed, central facilities for inpatients and/or outpatients, to basic on-ward or bedside services. Extent, design and location of facilities will be affected by presence or otherwise of the following services (not inclusive):

- Rehabilitation Medicine
- Aged Care
- Spinal Cord Injury Service
- Orthopedic Services
- Neurosciences – (Strokes, Multiple Sclerosis, Traumatic Brain Injuries etc.)
- Amputees
- Hand Surgery/Plastic Services.

Speech Pathology plays a major role in Neonatal, Pediatric, ENT/Maxillofacial and neurological services; in the absence of these, Speech Pathology may be provided on a part-time basis. Children's Hospitals or major Pediatric Services generate their own specific spatial needs.

At higher Role Delineation levels it is possible that each discipline may have its own discrete department but every attempt should be made to co-locate the therapy units to maximize the potential for sharing and to facilitate multi-disciplinary care. The rehabilitation services will be supported by full time Social Work services. At Level 4, Dietetics and Podiatry are generally provided as part time services and can be incorporated into the Unit. At Levels 5 and 6 they will have their own discrete Units and are excluded from the Schedule of Accommodation at those levels. Clinical Psychology and Neuropsychology also play an important role in some aspects of service provision and will need their own or access to office/treatment areas.

41.1.2 Patient Characteristics

All ages from children to the frail aged may be treated. Almost all patients attending for physiotherapy are physically incapacitated to some extent many of whom use wheelchairs or walking aids and – increasingly – motorized chairs that have implications for parking and recharging. Many patients may be disfigured (burns, throat surgery etc.) and require a non-threatening, private environment. Patients may require access to interpreter services.

41.2 Planning

41.2.1 Operation Models

Hours of Operation

The Unit will generally operate during business hours Monday to Friday with after-hours on-call physiotherapy services available for inpatient units as required. Some departments may provide a limited service at evenings and weekends. If used for health education classes (e.g. antenatal classes), after-hours access will be required. If a hydrotherapy pool is part of the facility, this too may be made available to the community after-hours and at weekends and therefore careful consideration will need to be given to location, controlled access and security.

Flexibility

The facilities of the Unit will be utilized by inpatients and outpatients. It is expected that the majority of inpatients accommodated in the Rehabilitation Inpatient Unit will attend the Unit on a daily basis. The function of these two units is inter-related and the design of the Rehabilitation Unit could provide areas common to both units. As with other areas of health care, rehabilitation services are constantly evolving. This is manifest in terms of:

- Clinical development – many more categories of patient are able to be rehabilitated than was previously considered feasible
- Organizational development – the interrelationship of the various medical, nursing and allied health services that participate in the rehabilitation process is of paramount importance
- Technological development – advances in technology have developed techniques which will ultimately become routine aspects of rehabilitation. Such developments include kinematic analysis, electromyography and ergometry.

Models of Care

Traditionally the model of care has been one-to-one, therapist to patient. Increasingly an educative model is being used that assumes a staff to patient ratio of 1:4 or more and incorporates:

- Group sessions for peer support;
- Group exercise classes;
- Involvement of carers so that they can learn how much activity the patients can safely tolerate at home and how best to support them;
- Education programs.

There may need to be separate areas for Respiratory and Cardiac Rehabilitation and general rehabilitation as the patients have differing needs and sometimes equipment. However this will depend on the number of sessions and every opportunity should be made to share areas between programs.

Satellite Units

One of the problems of providing therapy services for inpatients within the Unit itself is transport to and from hospital units, particularly, for example, neuroscience patients whose attention span may be limited and who need a quiet environment. It also requires either a portering service or use of valuable therapist time in transport functions. If distance from inpatient units to the Rehabilitation therapy areas is considerable and throughput can justify, provision of a small satellite unit may be considered – mainly for physiotherapy – near the units most affected, usually Neuroscience and Orthopedics. Or alternatively, a small therapy/multi-purpose room in an inpatient unit may serve such a purpose.

Hydrotherapy

Whilst there are differing opinions as to the therapeutic benefits of hydrotherapy, a designated Rehabilitation service will probably require access to a hydrotherapy pool. However, in other circumstances, the need for a pool should be carefully considered as the cost per unit of treatment is high and conditions for which hydrotherapy is the only appropriate treatment are limited. Hydrotherapy pools should only be provided where patient numbers can be justified and where the pool is required for a minimum of four hours each day, five days a week. Utilization of the pool may be extended by making the pool available to groups within the community for their use at times when it is not required for specific therapeutic purposes. Alternatively, use of a pool already established in the community may be used.

Gait Analysis Laboratory

Quantitative gait analysis is useful in objective assessment and documentation of walking ability as well as identifying the underlying causes of walking abnormalities in patients with cerebral palsy, stroke, head injury and other neuromuscular problems. The results of gait analysis have been shown to be useful in determining the best course of treatment in these patients. Equipment for gait analysis may be incorporated into a gymnasium.

Outdoor Gait Area

It is essential to provide mobility training on a range of uneven surfaces necessary for community integration.

41.2.2 Operational Policies

General

Depending upon the needs of the individual hospital, it may be decided that the Rehabilitation Allied Health Unit will provide the location for the hospital's Acute Therapy Services. If such a Policy is adopted it may be necessary to upgrade the accommodation to provide:

- Additional therapy spaces for general acute inpatient and outpatient therapy
- Additional group office space for physiotherapists to write up notes
- Additional staff amenities.

The Guideline defines functional spaces as discrete areas for defined activities. The Operational Policy of a facility may compel the design team to view the various functions and activities within the Unit from the framework of a team philosophy. Accordingly, patient flow would determine the definition of spaces rather than individual allied health discipline.

Outpatients Vs Day Patients

The original 'Day Hospital' concept often accommodated patients for respite care; in modern units patients are admitted for treatment, not respite. Patients attending for a single treatment by a single therapist are classified as outpatients. Patients attending for a series of treatments by different therapists will be admitted as day patients where stay is in excess of 4 hours. This latter category will need an area for rest and refreshment between treatments.

Medical Records and X-Rays

Assuming a hard copy system, it is usual for non-inpatient records to be kept in the Unit for the duration of treatment. For a hard copy system, x-ray viewing boxes will be required and films requested from the Medical Imaging Unit. When records become electronic, there will be direct data entry and design should indicate likely locations for computers and allow for appropriate power and cabling. Assuming a digital PACS system, X-Ray films are available on screen so viewing monitors will be needed.

Patient Lifters/Transfers

Patient handling measures may include ceiling hoist systems for transfers from wheelchair to plinth, or mobile lifters. Mobile patient lifters will require bays with power for recharging. The Gymnasium should include additional space for holding lifting devices.

Recharging Electric Wheelchairs

Inpatients normally using electric wheelchairs or motorized chairs may need somewhere to park and recharge their equipment whilst in hospital. In inpatient and rehabilitation units where wheelchair use is significant, provide sufficient facilities to recharge patients' electric wheelchairs and motorized chairs overnight including power outlets. Ideally wheelchair parking areas should not impede corridor space.

Specific Needs in Inpatient Units

To avoid unnecessary transport to and from the main unit, space and facilities for ward-based therapy could be considered. Include but not confined to:

- 10m corridor length for walking tests
- Storage for equipment and mobility aids
- Ward-based treatment space larger than the area around a patient's bed
- Access to stairs for practicing crutches
- Access to write-up area and storage of resource material.

Staffing

The staffing operational policy assumptions made in this guideline are:

- Office space will be provided where required for clerical and allied health staff including workstations in open treatment areas for immediate documentation
- 'Hot' desks will be available for students and visiting staff
- Staff wearing uniforms will arrive at the Unit in uniform however shower/change facilities will be required for comfort reasons as much of the work is labor-intensive.

The number of staff will depend on the needs of the individual hospital/service. Staff mix may include – either permanently or when required by referral:

- Director of Rehabilitation Medicine and/or the head of each therapy discipline
- Medical staff
- Nursing staff
- Physiotherapists
- Occupational therapists
- Social workers
- Speech pathologist
- Neuropsychologist (where brain impairment is an issue)
- Clinical psychologist (for treatment of complex behavioral disturbances)
- Prosthetists/Orthotists
- Aides
- Podiatrist
- Sport and Recreational Officers
- Dietitians
- Diversional Therapist
- Vocational Trainers
- Case Co-ordinators
- Rehabilitation Engineers
- Clerical staff
- Housekeeper and cleaning staff
- Artisan and transport staff
- Students of various disciplines.

Teaching

Most units will be involved with undergraduate and/or postgraduate training. Attendance will be variable. Students will need write-up space near the area of activity and numbers will need to be ascertained. Facilities will include a workstation for the supervisor and student lockers.

Emergency Equipment

- Oxygen (wall panels or cylinders) for oxygen-dependent patients
- Cardiac monitor for cardiac patients
- Resuscitation trolley/s
- Medical gas service panels in selected locations for emergency use.

41.2.3 Functional Areas

The Rehabilitation – Allied Health services may include Dietetics, Hydrotherapy, Occupational Therapy, Physiotherapy, Podiatry, Psychology, Speech Pathology, and Social Work.

The Rehabilitation – Allied Health Unit will include the following Functional Areas:

- Entry, Reception and Waiting areas
- Patient accommodation areas including Lounge and Dining areas
- Patient Therapy areas which may be shared
- Support areas including Utilities, Cleaner's Room, Disposal, Pantry and Store Rooms
- Staff areas including Offices, Meeting Rooms, Staff Change and Toilets.

Occupational Therapy

Where an Occupational Therapy service is to be provided the following functions or facilities shall be allowed for:

- Therapy areas
- Office/Administrative areas
- Hand-washing facilities
- Availability of Accessible Toilets.

Physiotherapy

Where a Physiotherapy service is to be provided the following facilities shall be allowed for:

- Individual treatment area or areas that provide for patient privacy
- Staff hand-washing facilities close to each treatment space; this may serve several treatment spaces
- An exercise area with facilities appropriate for the level of intended service
- Clean linen storage; in the form of built-in cupboards, cabinets or on mobile storage trolleys
- Storage for equipment and supplies
- Storage for soiled linen and waste
- Patient dressing and changing with secure storage of clothing and valuables, showering and toilet facilities
- Ice-making facilities to be available in or near the department
- Wall oxygen in patient waiting areas depending on service mode, and access to appropriate outdoor therapy areas.

Entry Areas

The entry canopy is required to provide dry access to the building. Design considerations include:

- Ensuring the covered area is large enough to allow vehicles such as taxis, buses, cars, and emergency vehicles to man oeuvre beneath it, and is structured to facilitate free concurrent traffic flow for multiple vehicles
- The use of clear roofing material to maximize natural light inside the building
- The external Entrance Area, best sited at ground floor level, is the first point of contact for members of the community and should display clear directions informing people where to proceed.

Design considerations include:

- Vehicle access is required at all times
- Entry facilities should be suitable for people with disabilities, such as limited mobility and poor vision
- The entry can incorporate an airlock space and may have sensor or automatically opening doors to facilitate access.

Patient Lounge Areas

A Lounge Area is required for therapeutic and social purposes. These include reading, writing and watching television or videos. The Lounge, Kitchenette and Dining Areas may be combined in a large Multi-purpose Day Room or in separate but adjacent areas.

Service Areas

The service entry is required so that deliveries to the facility do not have to pass through the main entrance of the building. It may also provide ambulance service access and egress in emergency circumstances.

Design considerations include:

- An area large enough to allow vehicles including ambulances to turn and man oeuvre
- A large space with blank wall space for temporary storage of items such as linen or food trolleys, furniture or equipment for repair
- Access to soiled linen should only be available through the service entry or in large institutions separate zones may be available for the various utilities and deliveries
- Adequate infection control
- A loading bay that gives access for delivery staff and staff loading equipment and mobility aids into vehicles, located away from the client entry point.

Wheelchair Parking

An area should be provided near the entrance for parking wheelchairs and electric scooters. The wheelchair parking area requires power outlets for recharging of electric wheelchairs and scooters when they are not in use. Cupboards may be provided over wheelchairs for additional storage.

41.2.4 *Hydrotherapy Pool*

The need for a hydrotherapy pool should be carefully considered. The cost per unit of treatment is high and conditions for which hydrotherapy is the only appropriate treatment are limited. Hydrotherapy pools should only be provided where patient numbers are appropriate and where the pool is required for a minimum of four hours per day, five days per week.

Pool Size

The recommended pool size is 7500mm x 4500mm. A rectangular shape is recommended, with the length of the pool generally one and a half times the width.

Pool Depth

To optimize the use of a pool for therapeutic purposes, consideration should be given to the average height of both the smallest users and the tallest users. The recommended minimum depth is 800mm at the shallow end and the maximum depth is 1500mm at the deep end.

Gradient of Pool Floor

The floor of the pool should contain no steps.

Entry to Pool

Steps are the accepted method of entry and exit and can also provide functional training. Steps should be placed at the shallow end of the pool and should not intrude into the working area of the pool.

A hoist should be provided and placed at a depth where the therapist can stand and maintain body balance to float the patient off and on the hoist without difficulty.

Temperature

The water temperature should be maintained in the range of 30–35 degrees Celsius with an optimum temperature of 34–35 degrees for most conditions being treated. The ambient temperature should be lower than the water temperature for comfort of pool side staff and patients.

Humidity control needs to be provided to minimize condensation. A pool cover may be considered to assist in maintaining water temperature and to reduce heating costs.

Reflection

The lighting should allow the floor of the pool to be seen and should minimize reflection/glare off the surface of the water.

Pool Surrounds

Non-slip surfaces shall be used for the pool surrounds. Ample space should be provided around the pool for staff and patient movements as well as to provide space for patients who are waiting to enter the pool or relaxing after leaving the pool. The building structure, including all fittings, should be rust-proof.

Change Facilities

Change facilities will be required for patients and staff; the size will be dependent upon the size of the pool and the expected number of users.

Emergency Call Systems

Adequate emergency call points should be provided. Emergency call points should also be accessible from the concourse area and from within the pool.

Plant Room

A Plant Room will be required for water treatment plant and any associated equipment.

Footbaths/Showers

Footbaths, foot sprays or showers may be considered in the design of the pool area.

Security

Security design should address:

- Personal security of patients and staff
- Property security of patients and staff
- Unit premises and equipment
- Emergency access and egress.

Storage

Design should address the following storage requirements:

- Therapy equipment
- Consumables, and pool supplies
- Pool aids and exercise equipment
- Personal property of patient and staff.

41.2.5 *Functional Relationships*

The most critical relationship in circumstances where Rehabilitation Medicine is an established service is with its own Inpatient Unit/s. However, consideration must also be given to necessary relationships with those units most utilizing therapy services in terms of the logistics of patient travel and transport. In some instances there may need to be duplication of facilities. The Unit should have ready access to allied health units such as speech pathology, social work and the like where those units are not represented or located within the Unit itself. Physiotherapy areas will require ready access to Orthopedic Clinics.

41.3 Design

41.3.1 *General*

The design philosophy of the Rehabilitation Unit should convey a friendly and inviting environment and should encourage community members to utilize the available facilities for rehabilitation purposes. A non-institutional, safe and supportive environment needs to be promoted. Building design must be flexible and adaptable to enable the unit to cater for varying client and service needs.

Buildings should be designed to cope with a wide range of possible conditions. The aim is to provide an environment that will allow the maximum mobility possible for each person. The Rehabilitation Unit will include access for disabled persons.

41.3.2 *Accessibility*

External

If at ground floor unit with its own entry, an undercover set-down bay should be provided at the entrance to the Unit for those outpatients who arrive by bus or car and for return of loan equipment with parking for people with disabilities. Access to other units in the facility should be convenient and covered.

Internal

The Unit should be accessible from the inside hospital's main entrance. Wheelchair access is required to all patient-accessed areas of the Unit. Access equipment is desirable.

Parking

Drop-off and parking for people with disabilities is recommended.

41.3.3 *Environmental Considerations*

Acoustics

The majority of the therapy areas of the Unit are open space. Further, the activities undertaken therein require hard, impervious flooring (timber or sheet vinyl) and generate noise. Other areas within the Unit require acoustic privacy in order to be effective or prevent embarrassment such as Respiratory Treatment Rooms and rooms used for women's health disorders. Account should be taken of the potential sources of noise within as well as from outside the Unit. Solutions to the various acoustic characteristics and requirements include:

- Use of curtains and other soft fabrics
- Use of solid core doors
- Co-locate potentially noisy areas
- Strategic positioning of storage areas to create a sound buffer
- Carpet in patient areas is not recommended.
- Speech Pathology rooms have specific requirements in order to operate effectively.

Lighting

Natural lighting is essential in large treatment areas such as gymnasiums and in Staff Rooms. Consideration should be given to lighting levels for patients who are visually impaired.

Climate Control

Good temperature control and ventilation in treatment areas as work can be arduous for both patients and staff. It is important to remember that certain patients such as those with spinal cord injuries are unable to regulate their body temperature. It is therefore imperative that the gymnasium is air-conditioned. Regardless of orientation, there must be means of sun control.

Interior Design

The rehabilitation process is often a long one with patients commencing attendance at the Unit as inpatients and continuing as outpatients. Consequently, the Unit should seek to provide a welcoming and supportive environment as it is essential that patients feel positive about returning to the Unit on a regular basis.

41.3.4 *Space Standards and Components*

Some examples of the average circulation space sizes required for ambulant people using the following mobility aids are:

- One person using a walking stick – 750mm width
- One person using elbow crutches – 900mm width
- One person using two walking sticks – 800mm width
- One person using crutches – 950mm width
- One person using walking frame – 900mm width.

41.3.5 *Safety and Security*

Safety

The patient population of this unit in particular requires special consideration in terms of safety as they will be at once disabled or incapacitated and yet are being encouraged to be mobile and self-sufficient. Every aspect of unit design with regard to finishes, surfaces and fittings must be assessed to determine the potential for accidents or hazards to both patients and staff. Sanitary facilities are where most accidents or mishaps occur, to both patients and staff. In particular, consider:

- Slippery or wet floors
- Protrusions or sharp edges
- Stability and height of equipment or fittings
- Choice of floor covering
- Handrails and wheelchair access are mandatory.

Security

Security aspects should be considered for after-hours access control if used by the general public for classes, e.g. hydrotherapy.

41.3.6 *Finishes*

It is essential that floor finishes are non-slip and do not create 'drag' for patients using walking aids and wheelchairs.

Refer also to Part C of these Guidelines.

41.3.7 *Fixtures and Fittings*

Height of light switches need to abide by accessibility codes. Handrails on both sides of corridors are recommended.

Also refer to Part C of these Guidelines and to the Room Data Sheets (RDS) and Room Layout Sheets (RLS) for further detailed information

41.3.8 *Building Services Requirements*

Information Technology and Management

IT infrastructure must be compatible with overall hospital systems. There must be sufficient data points and power for computers and student laptops for direct entry of electronic records in the future and for viewing of digital images (PACS).

Duress Alarm System

Locate at Reception and in Treatment Areas.

Nurse and Emergency Call Systems

Nurse call systems in all individual rooms and cubicles including those in Gymnasiums. Staff Assist and Emergency Call at regular intervals. Annunciators (non-scrolling) located in Reception, corridors, treatment areas and Staff Room.

41.4 Components of the Unit

41.4.1 *General*

The Rehabilitation – Allied Health Unit will contain a combination of Standard Components and Non-Standard Components. Provide Standard Components to comply with details in the Standard Components described in these Guidelines. Refer also to Standard Components Room Data Sheets and Room Layout Sheets.

41.4.2 *Non-Standard Components*

ADL Computer Room

Description and Function

The ADL Computer Room provides an area for activities of daily living (ADL) patient assessment and training for computer activities. A range of variable height computer desks will be included. Doors to this room are optional.

Location and Relationships

The ADL computer room may be located adjacent to the ADL Lounge or other ADL assessment areas.

Considerations

Provide adjustable height computer workstations with the following:

- A variety of desktop and laptop computers
- Printer and telephone
- Power and data outlets for each.

Bay – Drinking Water

Description and Function

The Bay – Drinking Water provides a recessed area for a drinking water unit.

Location and Relationships

The bay will be located in public access areas close to waiting areas.

Considerations

The Bay will include:

- Wall and floor finishes suitable for wet areas
- Drinking water fountain, with hydraulic connection to drinking water. Refillable water coolers may also be used. Recurrent cost to the facility should be considered when choosing the water source.
- Fittings may include a dispenser for cups and waste bin.

Occupational Therapy Rooms

Description and Function

The Occupational Therapy Rooms are large spaces provided to enable a range of static and dynamic activities to take place. The rooms may include space for table based activities, such as upper limb activities or functional mobility activities such as woodwork or splinting activities in a workshop environment.

The Rooms area will be sized according to the number of patients to be accommodated, the activities to be undertaken and will be dependent on Operational Policy and service demand.

Location and Relationships

The Occupational Therapy area may be located adjacent to rehabilitation therapy areas, with ready access to waiting and amenities areas.

Considerations

Fittings and Equipment required in this area may include:

- Benches with inset sink, wheelchair accessible
- Shelving for storage of equipment or tools
- Tables, adjustable height
- Chairs, adjustable height
- Hand-washing basin with liquid soap and paper towel fittings
- Pinboard and whiteboard for displays
- Sufficient GPOs for equipment or tools to be used in activity areas.

Workshop areas will require suitable air extraction and exhaust for woodwork activities.

Optical Shop

Description/Function

An Optical Shop is where clients and patients can have eye tests and purchase prescribed spectacles. It has a combined clinical and retail function.

Location and Relationships

The Optical Shop shall be located near the main entry and among other retail outlets if provided within a larger facility. A glazed shop-front is recommended and shall be positioned next to the major traffic (main corridor).

Considerations

The following areas and functions shall be included in an optical shop:

- Large and well-lit open plan area with display cabinets including a small counter for cashier and paperwork
- A consult room for eye test including slit lamp, light box (or projector for projected image), handwashing basin, drug refrigerator etc.
- Workroom for fitting/adjusting spectacles
- Facilities for disinfection, sterilization and instruments reprocessing if required by the Operational Policy
- An office for the optometrist (or can be part of the consult room if sufficient space is provided)
- Storage for spectacles, patient records, stationery etc.
- Access to toilet facilities (can be shared if located in a larger premise).

Plant Room – Water Treatment

Description/Function

The Water Treatment Plant Room is a lockable room for water treatment plant equipment used in the hydrotherapy pool and may include booster pumps and filters.

Plant equipment must be installed according to manufacturer's specifications.

Location and Relationships

The Water Treatment Plant Room should be located in close proximity to the Hydrotherapy Pool with easy access for staff to monitor and service the water treatment systems.

Considerations

Design Requirements include the following:

- Ventilation, exhaust and/or air-conditioning must be designed to accommodate the heat loads of the specified equipment
- High level sound isolation is required to ensure noise generated from this room does not invade the pool area
- Structural Engineer's assessment must be sought for floor load bearing capacity with respect to water treatment plant equipment
- Service access will be required around the perimeter of all plant equipment
- The room will require drainage.

41.5 Schedule of Accommodation

Typical Rehabilitation Unit - Allied Health at levels 4 to 6

ROOM/SPACE	Standard Component	Level 4 Qty x m ²			Level 5 Qty x m ²			Level 6 Qty x m ²			Remarks
Entry/Reception											
Entry/Reception	RECL-10-SJ RECL-15-SJ	1	x	10	1	x	12	1	x	15	2 staff
Store – Photocopy/Stationer, 8m ²	STPS-8-SJ	1	x	8	1	x	8	1	x	8	
Store – Files	STFS-10-SJ	1	x	4	1	x	8	1	x	10	
Waiting	WAIT-10-SJ WAIT-30-SJ	2	x	10	2	x	20	2	x	30	Based on 1.2m ² per person, 1.5m ² for wheelchairs. Separate Female areas
Patient Bay – Holding, 10m ²	PBTR-H-10-SJ		x		2	x	10	4	x	10	Separate Female areas
Bay – Wheelchair Park, 4m ²	BWC-SJ	1	x	4	1	x	4	2	x	4	
Toilet – Patient	WCPT-SJ	1	x	4	1	x	4	2	x	4	Separate Male/Female areas
Toilet – Accessible	WCAC-SJ	1	x	6	2	x	6	2	x	6	
Optical Shop		1	x	20	1	x	30	1	x	40	Optional
Allied Health											
Audiology Testing Room	AUDIO-SJ	1	x	14	1	x	14	1	x	14	
Observation Room – Audiology	OBS-SJ	1	x	9	1	x	9	1	x	9	
Office/Consult – Audiology	CONS-SJ	1	x	14	2	x	14	2	x	14	
Office/Consult, Clinical Psychology	CONS-SJ	1	x	14	1	x	14	1	x	14	No. depends on service level
Office/Consult – Speech Pathology	CONS-SJ	1	x	14	2	x	14	2	x	14	
Office – Single Person, 9m ² Dietetics	OFF-S9-SJ	1	x	9	1	x	9	1	x	12	
Office – Single Person, 9m ² Social Worker	OFF-S9-SJ	1	x	9	1	x	9	1	x	12	
Office/Treatment – Speech Pathology	CONS-SJ	1	x	14	1	x	14	1	x	14	
Observation Room – Speech Pathology	OBS-SJ	1	x	9	1	x	9	1	x	9	
Store – General, Speech Pathology	STGN-6-SJ STGN-8-SJ	1	x	6	1	x	6	1	x	8	
Podiatry Treatment, 14m ²	PODTR-14-SJ	1	x	14	1	x	14	1	x	14	
Meeting Room – Group Room	MEET-L-15-SJ MEET-L-30-SJ	1	x	15	1	x	15	1	x	20	
Occupational Therapy											
ADL Bathroom	ADLB-SJ	1	x	12	1	x	12	2	x	12	
ADL Lounge	ADLN-SJ	1	x	12	1	x	12	2	x	12	
ADL Bed Room	ADLBR-SJ	1	x	15	1	x	15	2	x	15	
ADL Computer Room		1	x	15		x	15	2	x	20	
ADL Kitchen	ADLK-OP-SJ	1	x	12	1	x	12	2	x	12	Size allows for a number of patients, may be enclosed or open
ADL Laundry		1	x	8	1	x	8	2	x	8	Optional
Loan Pool Equipment	HYDST-SJ		x		1	x	10	1	x	20	Size will depend on extent of service
Clean-Up Room	ECL-LE-10-SJ				1	x	10	1	x	10	For returned loan equipment
Plaster Room (Splint Room)	PLST-SJ				1	x	14	1	x	14	Optional; Specifically hand splinting; 2–3 patients plus wet prep area
Occupational Therapy Gym, Adult	GYAH-45-SJ	1	x	30	1	x	45	1	x	70	6–7m ² per person
Occupational Therapy Gym, Paediatric	GYAH-P-SJ				1	x	40	1	x	60	10 m ² per person
Occupational Therapy Workshop			x			x		1	x	50	Five patients
Store - General	STEQ-8-SJ							1	x	8	

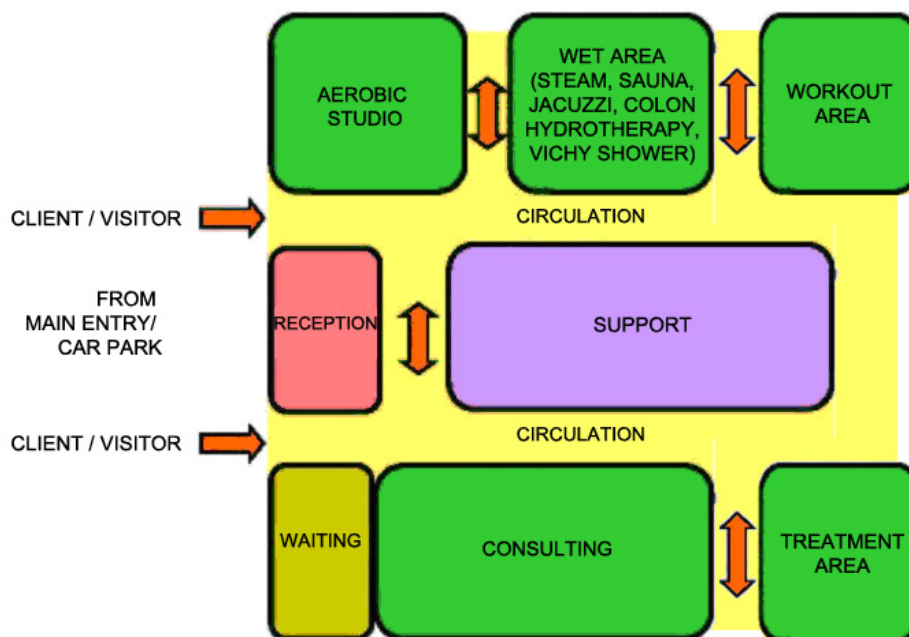
ROOM/SPACE	Standard Component	Level 4 Qty x m ²			Level 5 Qty x m ²			Level 6 Qty x m ²			Remarks
Store - Materials and Equipment	STEQ-10-SJ STEQ-16-SJ	1	x	10	1	x	14	1	x	25	
Store – Timber and Metal	STEQ-16-SJ	1	x		1	x	20	1	x	25	If Workshop provided
Store – Assessment Wheelchairs	STEQ-10-SJ STEQ-16-SJ	1	x	10	1	x	15	1	x	20	
Physiotherapy0											
Physiotherapy Gymnasium	GYAH-45-SJ	2	x	45	2	x	60	2	x	80	6–7m ² per person; Separate gyms for specialist treatment (SG)
Gymnasium – Group Classes			x			x		1	x	50	6–7m ² per person; Treadmills, bikes, etc. Include workstation for staff write-up
Patient Bay – Non-Acute Treatment, 10m ² (Treatment, Single)	PBTR-NA-SJ	2	x	10	4	x	10	6	x	10	Private cubicles, No. depends on service demand
Bay – Water Fountain		1	x	1	1	x	1	1	x	1	From original Sharjah, not in SG, keep or delete???
Bay – Mobile Equipment	BMEQ-4-SJ	1	x	4	1	x	10	1	x	10	
Bay – Handwashing, Type B	BHWS-B-SJ	2	x	1	4	x	1	6	x	1	Conveniently located to treatment areas
Office – Write-Up Bay	OFF-WIS-SJ	1	x	6	1	x	9	1	x	12	
Toilet – Accessible		2	x	6	2	x	6	2	x	6	
Toilet – Patient		2	x	4	2	x	4	2	x	4	May share nearby toilet facility
Plaster	PLST-SJ				1	x	14	1	x	14	Also used for splinting
Treatment Room	TRMT-SJ	1	x	14	1	x	14	1	x	14	Respiratory and other conditions requiring privacy. No. will depend on service profile
Workroom			x			x		1	x	14	"Wet" area for manufacturing splints, ice machine, hydrocollator etc.
Store – Equipment	STEQ-16-SJ	1	x	15	1	x	20	1	x	20	For exercise equipment
Store – Equipment	STEQ-10-SJ STEQ-16-SJ	1	x	10	1	x	15	1	x	25	For gym equipment
Shared Clinical Support Areas											
Assessment/Interview Room			x			x		2	x	10	Multi-disciplinary use
Consulting/Examination Room	CONS-SJ	1	x	14	2	x	14	2	x	14	Multi-disciplinary use
Bay – Linen			x			x		1	x	2	
Bay – Resuscitation Trolley	BRES-SJ	1	x	1.5	1	x	1.5	1	x	1.5	
Bay – Mobile Equipment	BMEQ-4-SJ		x			x		1	x	10	Parking for various items of electrotherapy equipment
Cleaner's Room	CLRM-5-SJ	1	x	5	1	x	5	1	x	5	
Clean Utility	CLUR-12-SJ	1	x	12	1	x	12	1	x	12	
Dirty Utility	DTUR-S-SJ	1	x	8	1	x	8	1	x	8	
Disposal Room	DISP-8-SJ	1	x	8	1	x	8	1	x	8	
Staff Areas											
Office – Director		1	x	12	1	x	12	1	x	12	
Office – Head of Department, OT	OFF-S9-SJ	1	x	9	1	x	12	1	x	12	
Office – Workstations – OT	OFF-WS-SJ	1	x	5.5	2	x	5.5	6	x	5.5	No. will depend on staff establishment
Office – Head of Department, Physiotherapy	OFF-S9-SJ	1	x	9	1	x	12	1	x	12	
Office – 2-Person Shared (Physio)	OFF-2P-SJ	1	x	12	1	x	12	1	x	12	
Office – Workstations – Physio	OFF-WS-SJ	1	x	5.5	2	x	5.5	6	x	5.5	No. will depend on staff establishment
Student Room								1	x	14	
Meeting Room	MEET-L-15-SJ MEET-L-30-SJ	1	x	15	1	x	20	1	x	25	
Staff Room	SRM-15-SJ SRM-25-SJ	2	x	15	2	x	18	2	x	25	
Change – Staff (Male/Female)	CHST-12-SJ CHST-20-SJ	2	x	9	2	x	12	2	x	20	Separate Male/female areas
Hydrotherapy (Optional)											

ROOM/SPACE	Standard Component	Level 4 Qty x m ²			Level 5 Qty x m ²			Level 6 Qty x m ²			Remarks
Office – Supervisor	OFF-S9-SJ	1	x	9	1	x	9	1	x	9	
Office – Workstation	OFF-WS-SJ	1	x	5.5	2	x	5.5	2	x	5.5	Qty according to staffing establishment
Toilet/Shower/Change - Patient	CHPT-12-SJ	2	x	12	2	x	24	2	x	24	
Toilet/Shower/Change – Staff	CHST-12-SJ CHST-20-SJ	2	x	12	2	x	20	2	x	20	
Shower – Patient	SHPT-SJ	2	x	4	3	x	4	5	x	4	Separate Male/Female areas adjacent to Pool concourse
Hydrotherapy Pool and Surrounds	HYDP-SJ	1	x	90	1	x	240	1	x	240	Pool size 12m x 20m; Area includes surrounding concourse
Hydrotherapy Pool Open Shower Area	HYDSH-SJ	1	x	6	1	x	6	1	x	6	On pool concourse
Shower – Accessible	SHD-SJ	2	x	4	2	x	4	1	x	5	Separate Male/Female areas; patient use
Toilet – Accessible		2	x	6	2	x	6	2	x	6	Separate Male/Female areas; patient use
Hydrotherapy Pool Store	HYDST-SJ	1	x	9	1	x	12	1	x	16	Pool equipment
Water Treatment Plant Room		1	x	20	1	x	20	1	x	20	
Net Department Total		904			1446.5			2013.5			
Circulation %		32			32			32			
Grand Total		1193.3			1909.4			2657.8			

Notes:

- Areas noted in Schedules of Accommodation take precedence over all other areas noted in the FPU
- Rooms indicated in the schedule reflect the typical arrangement according to the Role Delineation
- Exact requirements for room quantities and sizes will reflect Key Planning Units identified in the Service Plan and the Operational Policies of the Unit
- Room sizes indicated should be viewed as a minimum requirement; variations are acceptable to reflect the needs of individual Unit
- Office areas are to be provided according to the Unit role delineation and staffing establishment; Executives and Managers may be responsible for more than one area but should have only one office assigned within the campus
- Staff and support rooms may be shared between Functional Planning Units dependent on location and accessibility to each unit and may provide scope to reduce duplication of facilities.

41.6 Functional Relationship Diagram



41.7 Further Reading

- Australasian Health Infrastructure Alliance (Aus.). 'Australasian Health Facility Guidelines'. Retrieved from website: www.healthfacilityguidelines.com.au 2014
- Australasian Health Facility Guidelines (Aus.). 'Part B – Health Facility Briefing and Planning 610 Rehabilitation Inpatient Unit' 2012. Retrieved from website: http://www.healthfacilityguidelines.com.au/AusHFG_Documents/Guidelines/AusHFG%20Part%20B%20Health%20Facility%20Briefing%20and%20Planning%20-%2000610%20Rehabilitation%20Inpatient%20Unit.pdf 2014
- Department of Health (DH) (UK). 'Health Briefing Note 8 Facilities for Rehabilitation Services' 2004. Retrieved from website: <http://www.wales.nhs.uk/sites3/Documents/254/HBN%2008%20Rehab2000.pdf> 2014
- The Facility Guidelines Institute (US). 'Guidelines for Design and Construction of Health Care Facilities' 2010 Edition. Retrieved from website: www.fgiguideines.org 2014.