

Healthcare for PWD in a quest for an inclusive society in Brunei

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كمنتريين كصيححتن
KEMENTERIAN KESIHATAN
NEGARA BRUNEI DARUSSALAM



Overview

- Brief introduction to Brunei
- Definitions & brief introduction to rehabilitation
- Healthcare in Brunei
- PWDs and their care in Brunei
- Future plans



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BRUNEI



Brunei In Brief

- The Sultanate of Brunei Darussalam is situated on the northwest coast of the island of Borneo.
- Land area of 5,765 square kilometres.
- Four districts:
 - Brunei Muara district
 - Tutong
 - Belait
 - Temburong
- Population in 2013 is 415,717.
- Main industry is Oil and Gas.
- Main employer is Government of Brunei



Definition

- **Medical rehabilitation** in its broadest sense is part of all patient care. It is the function of every practising doctor and involves the prevention, assessment, management and medical supervision of a person with disability until that person has attained an adequate and appropriate level of performance.



Definition

- **Rehabilitation Medicine** is that part of the science of medicine involved with the prevention and reduction of functional loss, activity limitation and participation restriction arising from impairments, the management of disability in physical, psychosocial and vocational dimensions, and improvement of function.



Definition

- **Rehabilitation medicine services** are identified units of patient care providing comprehensive rehabilitation services for inpatients and non-inpatients as well as in the community, with each patient's clinical management being under the supervision of a rehabilitation physician.



Rehabilitation

- The World Report on Disability published by WHO divides rehabilitation into three categories:
 - rehabilitation medicine
 - therapy
 - assistive technologies



Therapy

Therapy is concerned with restoring and com-pensating for the loss of functioning, and pre-venting or slowing deterioration in functioning in every area of a person's life.

Therapists and rehabilitation workers include occupational therapists, physiotherapists, prosthetists, orthotists, psychologists, rehabilitation and technical assistants, social workers, and speech and language therapists.



Assistive technologies

- An assistive technology device can be defined as “any item, piece of equipment, or product, whether it is acquired commercially, modified, or customized, that is used to increase, maintain, or improve the functional capabilities of individuals with disabilities”
- Common examples of assistive devices are:
 - crutches, prostheses, orthoses, wheel-chairs, and tricycles for people with mobility impairments;
 - hearing aids and cochlear implants for those with hearing impairments;
 - white canes, magnifiers, ocular devices, talking books, and software for screen magnification and reading for people with visual impairments;
 - communication boards and speech synthesizers for people with speech impairments;
 - devices such as day calendars with symbol pictures for people with cognitive impairment.

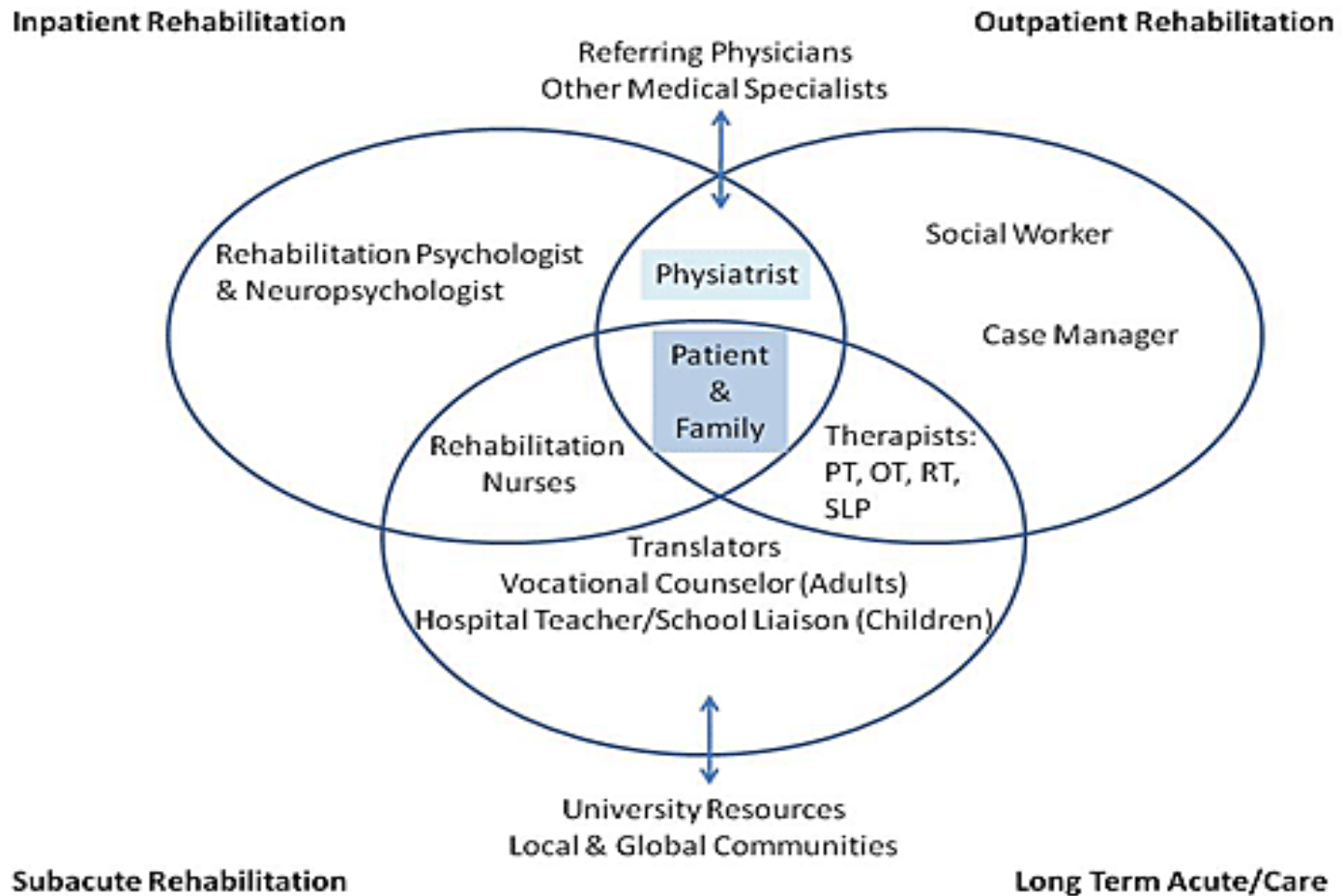


Core Rehab Team Members

- Rehabilitation physicians
- Rehabilitation nurses
- Occupational therapists
- Physiotherapists
- Speech and language therapist
- Rehabilitation psychologists
- Medical social workers
- Prosthetists/Orthotists



Rehabilitation



Rehabilitation

- The focus of Rehabilitation Medicine is on people and how they function in a community context.
- The medical condition of each patient is interpreted in terms of function in realms such as mobility, self-care, community interactions and on the psychological responses as well as the social consequences associated with loss of function.



Vision 2035

“Together Towards a Healthy Nation”

- Ensuring universal access to better health care;
- Enabling equity of access to comprehensive health services;
- Promoting partnership and public participation in the concept of co-production of efficient and effective health services for all; and
- Ensuring that the health service system is sustainable within the institutional capacity and financial resources of the Ministry of Health.



Government Hospitals

- Four main government hospitals
- Brunei – Muara district
 - Raja Isteri Pengiran Anak Saleha Hospital
 - Main hospital and tertiary centre, 523 beds
- Tutong district
 - Pengiran Muda Mahkota Pengiran Muda Haji Al-Muhtadee Billah Hospital
- Belait district
 - Suri Seri Begawan Hospital
- Temburong district
 - Pengiran Isteri Hajah Mariam Hospital



Government Health Centres (HC)

- Brunei-Muara district
 - BSB HC, Gadong HC, Sengkurong HC, Berakas 'A' HC, Berakas 'B' HC, Muara HC, Pengiran Anak Puteri Hjh Rashidah Sa'adatul Bolkiah HC
- Tutong district
 - Pekan Tutong HC, Sg Kelugus HC, Telisai HC, Lamunin HC
- Belait district
 - Pekan Belait HC, Sg Liang HC, Seria HC
- Temburong district
 - Bangar HC



PUSAT-PUSAT KESIHATAN DI NEGARA BRUNEI DARUSSALAM

**Pusat Kesihatan
Tungai Kelugos**

- Mukim Keriam
- Mukim Kiudang

**Pusat Kesihatan
Telisai**

- Mukim Telisai

**Pusat Kesihatan
Pekan Tutang**

- Mukim Pekan Tutang
- Mukim Keriam
- Mukim Tg Maya

**Pusat Kesihatan
Lamunin**

- Mukim Lamunin
- Mukim Tg Maya
- Mukim Kiudang
- Mukim Ramba

**Pusat Kesihatan
Tungai Liang**

- Mukim Lumat
- Mukim Sg Liang
- Mukim Labi

**Pusat Kesihatan
Pekan Belait**

- Mukim Belait

**Pusat Kesihatan
Seria**

- Mukim Seria

**Pusat Kesihatan
Bandar Seri Begawan**

- Mukim Klanggeh
- Mukim Sungai Kedayan
- Mukim Kumbang Pasang
- Mukim Tatoi
- Mukim Kota Baru (lower quadrant)

**Pusat Kesihatan
Padang**

- Mukim Gadang

**Pusat Kesihatan
Tubli Perak-Sengkuring**

- Mukim Sengkuring
- Mukim Kilanas
- Mukim Pengkalan Batu (upper quadrant)

**Pusat Kesihatan
Berakas 'A'**

- Mukim Berakas 'A'

**Pusat Kesihatan
Berakas 'B'**

- Mukim Berakas 'B'

**Pusat Kesihatan
Muara**

- Mukim Serasa
- Mukim Menteri
- Mukim Kota Batu (upper quadrant)

**Pusat Kesihatan
Pengiran Anak Puteri Hjh Rashidah
Sa'adatui Bolkiah**

- Mukim Lumapas
- Mukim Sungai Kebun
- Mukim Burong Pingai
- Mukim Peramu
- Mukim Saba
- Mukim Pengkalan Batu (lower quadrant)



Private Hospitals

- Jerudong Park Medical Centre (JPMC)
 - Neuroscience & Stroke Rehabilitation Centre
 - Physiotherapy led Rehabilitation Department, inpatient and outpatient
 - Cancer Rehabilitation in Brunei Cancer Centre
 - Telemedicine with Department of Physical Medicine and Rehabilitation of University of Michigan
 - Physiotherapy home based rehab
- Gleneagles JPMC
 - Cardiac Centre



National Disability Leadership

Lead Ministry for Disability:

The national focal point for issues relating to PWDs is made up of three core Ministries:

- (1) Ministry of Health
- (2) Ministry of Culture, Youth and Sports
- (3) Ministry of Education.



National Disability Leadership

- National Disability Coordination Body(s)

The 3 Ministries mentioned earlier serves as the National Disability Coordination Body. Brunei Darussalam established a Special Committee on issues relating to the elderly and PWDs. [This Committee is chaired by the Minister of Culture, Youth and Sports and the members to the committee consist of Permanent Secretaries of other relevant Ministries].

- Name of National Disability Legislation, Policy, Action Plans

Brunei Darussalam has drafted its "Disability Order". Others :

1. The Old Pensions and Disability Act 1954
2. Under the Special Committee : Action Plans for the elderly and PWDs have been established.



National Disability Leadership

- National Umbrella organisation for DPOs

At the moment, Brunei Darussalam is establishing its own Disability Council and has selected representatives from the PWDs NGOs/DPOs to be crucial members to this council.

In the meantime, The Department of Community Development, MCYS serves as the focal point for NGOs/DPOs. [Altogether there are 9 PWDs NGOs/DPOs]

- Ratification of the CRPD and when?

Brunei Darussalam is signatory to the UNCRPD since 18 December 2007 and is moving towards its ratification soon.



NGOs associated to PWDs

1. Pusat Ehsan Al-Ameerah Al-Hajjah Maryam
2. Brunei Darussalam National Association of the Blind (BDNAB)
3. The Association for Paraplegic and Physically Handicapped People of Brunei Darussalam (PAPDA)
4. The Association of Handicapped Children of Brunei Darussalam (KACA)
5. Society for the Management of Autism Related Issues – In Training, Education and Resources (SMARTER)
6. Learning Ladders Society
7. Special Olympics Brunei Darussalam (SOBD)
8. Persatuan Orang Kurang Pendengaran
9. Persatuan Sindrom Downs'



Government agencies involved with PWDs

1. Pusat Bahagia,
Department of Community Development, Ministry of
Culture, Youth and Sports
2. Special Education Unit (SEU), Ministry of
Education



National Disability Data

- Disability Prevalence?
 - No accurate national disability prevalence data, no national disability registry
 - 7,389 PWDs (MCYS database) i.e. 1.7%
- Existence of national systems for disability data collection? What data exists?
 - The Department of Community Development (MCYS) has a “Focal Data Centre” [unofficially the National Register]. Data consists of all the welfare recipients and PWDs from various agencies as well as PWDs NGOs.
 - Recently, questions related to PWDs are included in the National Census.



Healthcare of PWDs provided by MOH

- Child Development Centre
- Rehabilitation Medicine Unit



Child Development Centre

- Looks after children with disabilities
- Outpatient based
- Medical, nursing, physiotherapy, occupational therapy, child psychologist, speech and language therapist, medical social worker
- Visiting prosthetist/orthotist from RIPAS
- OT wheelchair/seating service



Rehabilitation Medicine Unit

- Only in RIPAS Hospital, BSB
- Rehabilitation Medicine Unit in RIPAS hospital is relatively new and emerging specialty
- Under Department of Internal Medicine
- Currently in an ongoing phase of service development
- Staffed by rehabilitation consultant, rehabilitation medical officer, one staff and one ancillary nurse



Rehabilitation Medicine Unit

- Outpatient and Inpatient case loads
- Currently limited to mostly neurological rehabilitation including spinal cord injury, acquired brain injury rehabilitation
- No dedicated rehabilitation ward or bay
- Borrows therapists and rehabilitation workers from physiotherapy, occupational therapy, speech and language therapy, psychology, medical social departments



Community Based Rehabilitation

- None yet offered by Ministry of Health
 - Plans for home based care including rehabilitation input
- Ministry of Culture Youth & Sport (Department of Community Development):
 - Visiting homes of PWDs on a regular basis (3 months / 6 month accordingly)
 - CBR are for those PWDs who are unable to attend programmes in the Department of Community Development centre



Workforce of Rehabilitation Service

- **Ministry of Health**
 - 1 Rehabilitation Medicine Consultant
 - 1 foreign rehab medical officer
 - 2 nurses
 - 17 physiotherapists, 17 physio assistants
 - 21 occupational therapists, 18 OT assistants
 - 4 speech and language therapists
 - 7 medical social workers
 - 4 clinical psychologists
 - 1 prosthetist/orthotist, 3 technicians



Workforce of Rehabilitation Service

- Jerudong Park Medical Centre
 - 13 physiotherapists
 - 5 occupational therapists
 - 3 speech and language therapists
- Non governmental organisations
 - SMARTER:
 - 2 physiotherapists, 2 occupational therapists
 - Pusat Ehsan:
 - 3 physiotherapists, 2 occupational therapists



Funding of Rehabilitation, Assistive Technology and CBR Services

- What are the funding mechanisms for Rehabilitation, assistive technology and CBR programmes?
 - Through the gov't of Brunei Darussalam.
 - There is a provision from the government (Budget allocation) for PWDs NGOs/DPOs.
 - Corporate bodies (fulfilling Corporate Social Responsibilities).
 - Individual voluntary donors



SCI and ABI support groups



Future Plans

- Expanding scope of rehabilitation medicine service
- Transitional clinic
- Outreach clinics
- Community based rehab
- Engage interested GPs in care for PWDs
- Strengthen assistive technology and prosthetics/orthotics service





TERIMA KASIH

