Palliative Care in BANGLADESH

Dr. Rubayat Rahman
Incurably ill patients!
WPCA Palliative Care Development
All levels (n = 234)

Level of Palliative care Development (PCD)
- Level 1. Not known activity
- Level 2. Capacity building
- Level 3a. Isolated provision
- Level 3b. Generalized provision
- Level 4a. Preliminary integration
- Level 4b. Advanced integration
- Data not available

Boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the WPCA concerning the legal status of any country, territory, city or area or of its authorities, concerning the delimitation of its frontiers or boundaries. Dotted lines on maps represent approximate border lines for which may not yet be full agreement.
21 January 2011:
Opening ceremony of Centre for palliative care
by the honorable PRESIDENT of Bangladesh
Palliative care in BSMMU (2007 October)

- Service
- Awareness building & Advocacy
- Education & training
- Research
- Administration & Finance
Centre for palliative care and its commitments:

- Out door patient management
- In door patient management
- Day care management
- 24 hours telephone consultation
- Lyphoedema care
- Home care
- Bereavement care and rehabilitation
Out door Patients

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>New</td>
<td>14</td>
<td>101</td>
<td>151</td>
<td>143</td>
<td>346</td>
<td>551</td>
<td>585</td>
<td>672</td>
<td>756</td>
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<tr>
<td>Old</td>
<td>0</td>
<td>242</td>
<td>264</td>
<td>445</td>
<td>482</td>
<td>625</td>
<td>711</td>
<td>857</td>
<td>957</td>
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<tr>
<td>Total</td>
<td>14</td>
<td>343</td>
<td>415</td>
<td>588</td>
<td>828</td>
<td>1176</td>
<td>1296</td>
<td>1529</td>
<td>1713</td>
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</table>

Year wise number of patients attending the out patient clinic of palliative care
Indoor Patient

<table>
<thead>
<tr>
<th>Year</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>27</td>
<td>54</td>
<td>211</td>
<td>413</td>
<td>490</td>
<td>317</td>
<td>420</td>
<td>436</td>
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</tbody>
</table>

Year wise number of patients admitted in the palliative care ward.
Home Based Palliative Care.

Number of home care

Year

2008: 23
2009: 41
2010: 41
2011: 83
2012: 70
2013: 186
2014: 206
2015: 328
Centre for Palliative Care
BSMMU
Courtesy
ROTARY CLUB OF METROPOLITAN DHAKA
Contact: 01776374078
HOME CARE SERVICE
Bangabandhu Sheikh Mujib Medical University
Lymphedema Care:

![Lymphedema Care Chart]

- **Year**: 2006
- **Number of Lymphedema Patients**: 1
- **Year**: 2008
- **Number of Lymphedema Patients**: 1
- **Year**: 2009
- **Number of Lymphedema Patients**: 2
- **Year**: 2010
- **Number of Lymphedema Patients**: 3
- **Year**: 2011
- **Number of Lymphedema Patients**: 16
- **Year**: 2012
- **Number of Lymphedema Patients**: 12
- **Year**: 2013
- **Number of Lymphedema Patients**: 15
- **Year**: 2014
- **Number of Lymphedema Patients**: 22
- **Year**: 2015
- **Number of Lymphedema Patients**: 40
An award grant by UGC for CPC

• Capacity building.

• Resource center development

• MD curriculum development
# Courses in Palliative Care

<table>
<thead>
<tr>
<th>Course Name</th>
<th>No of Courses</th>
<th>Total Participants</th>
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<tbody>
<tr>
<td>Basis Certificate course in Palliative Medicine (BCCPM)</td>
<td>13</td>
<td>92</td>
</tr>
<tr>
<td>Basis Certificate course in Palliative Nurse (BCCPN)</td>
<td>9</td>
<td>58</td>
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<tr>
<td>Foundation Course in Palliative Care for Doctors</td>
<td>26</td>
<td>303</td>
</tr>
<tr>
<td>Introductory Course in Palliative Care for Doctor &amp; Nurse</td>
<td>19</td>
<td>327</td>
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<tr>
<td>Introductory course in Palliative Care for Community Volunteers</td>
<td>18</td>
<td>276</td>
</tr>
<tr>
<td>Introductory Course in Palliative Care for Patient Relatives</td>
<td>1</td>
<td>11</td>
</tr>
<tr>
<td>Introductory Course in Palliative Care</td>
<td>3</td>
<td>46</td>
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</table>
Academic journey begins

• Developed and Submitted for approval in March **2014**

• MD curricula approved by the 57th meeting of the syndicate on **06.06.2015**

• Palliative Medicine enters in to post graduate program becomes a specialty
Basics of the curriculum

• 5 year residency program in two phases
• Phase A : 2 years with 12 weeks in palliative medicine basics followed by block rotation in different medicine faculties.
• Phase B : 3 years in palliative Medicine
A qualitative analysis after interviewing 701 persons

- 225 pts.
- 259 family caregivers
- 63 physicians
- 64 nurses
- 32 program managers
- 20 policy opinion leaders
- 38 health administrators

Assessment of Palliative Care in Bangladesh

National Institute of Population Research and Training (NIPORT)

Conducted by:
Centre for Palliative Care (CPC)
Bangabandhu Sheikh Mujib Medical University (BSMMU)
August 2014
TOT program by Lien Collaborative (APHN)

- 4 courses:
  - July 2013, August 2014
  - September 2015, March 2016

- 35 participants
  - with 23 doctors,
  - 2 pharmacists &
  - 10 nurses
Community based approach of BSMMU

‘Improving the quality of life of older people in the urban slums of Bangladesh’

A joint program of Worldwide Hospice Palliative Care Alliances (WHPCA) & Centre for Palliative Care (CPC) Bangabandhu Sheikh Mujib Medical University, (BSMMU)
Slum project: WHPCA & CPC
MORPHINE the golden drug

**INCB allocation for Bangladesh**
- 350 kg Pethidine
- 100 kg Morphine sulfate
- Fentanyl : 200g.

**Utilization in Bangladesh**
- Pethidine utilized : 100 Kg
- Morphine 20 KG
Morphine tabs first produced in 2005 - 2006

3 Kg Morphine used to manufacture
-1,98,530 tabs
2006-2007:
-1450 consumed
2007-2008:
-18,000 (a ten fold increase.)

- Myths and misconception
- Strict Narcotic regulation
- Inadequate knowledge to prescribe morphine
• University CPC raised CPC Quota 10,000 to 50,000 to 100,000 tablets.

• 12 retail drug store in Dhaka

• 24 retail outlets throughout the country (under implementation)

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Formulation of Morphine</th>
<th>Cost (USD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gono shasthaya</td>
<td>Injection (15mg/1ml)</td>
<td>$0.51/ampoule</td>
</tr>
<tr>
<td></td>
<td>SR tablet (15mg)</td>
<td>$0.18/tablet</td>
</tr>
<tr>
<td>Unimed &amp; Unihealth</td>
<td>Injection (15mg/1ml)</td>
<td>$0.51/ampoule</td>
</tr>
<tr>
<td></td>
<td>SR tablet (15mg)</td>
<td>$0.18/tablet</td>
</tr>
<tr>
<td></td>
<td>IR tablet (10mg)</td>
<td>$0.12/tablet</td>
</tr>
<tr>
<td></td>
<td>Oral solution (5mg/5ml, 100 ml bottle)</td>
<td>$1.03/bottle</td>
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</tbody>
</table>
A long way to go!