National Annual Review 2073/74

Central Hospitals

Progress, Opportunities, Challenges and Way forward

22 September 2017
<table>
<thead>
<tr>
<th>No.</th>
<th>Hospital Name</th>
<th>Region/Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Bir Hospital</td>
<td>Central Hospitals</td>
</tr>
<tr>
<td>2</td>
<td>B P Koirala Institute of Health Sciences</td>
<td>Central Hospitals</td>
</tr>
<tr>
<td>3</td>
<td>Patan Hospital</td>
<td>Central Hospitals</td>
</tr>
<tr>
<td>4</td>
<td>Karnali Academy of Health Sciences</td>
<td>Central Hospitals</td>
</tr>
<tr>
<td>5</td>
<td>Kanti Children’s Hospital</td>
<td>Central Hospitals</td>
</tr>
<tr>
<td>6</td>
<td>Manamohan Cardiothoracic Vascular and Transplant Center</td>
<td>Central Hospitals</td>
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<tr>
<td>7</td>
<td>Shahid Gangalal National Heart Center</td>
<td>Central Hospitals</td>
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<tr>
<td>8</td>
<td>Shukraraj Tropical and Infectious Disease Hospital</td>
<td>Central Hospitals</td>
</tr>
<tr>
<td>9</td>
<td>HOTC Bhaktapur</td>
<td>Central Hospitals</td>
</tr>
<tr>
<td>10</td>
<td>Central Jail Hospital</td>
<td>Central Hospitals</td>
</tr>
<tr>
<td>11</td>
<td>Mental Hospital</td>
<td>Central Hospitals</td>
</tr>
<tr>
<td>12</td>
<td>Paropakar Maternity and Women’s Hospital</td>
<td>Regional/Sub-Regional Hospitals</td>
</tr>
<tr>
<td>13</td>
<td>Tribhuvan University Teaching Hospital</td>
<td>Regional/Sub-Regional Hospitals</td>
</tr>
<tr>
<td>14</td>
<td>National Trauma Center</td>
<td>Regional/Sub-Regional Hospitals</td>
</tr>
<tr>
<td>15</td>
<td>Civil Service Hospital</td>
<td>Regional/Sub-Regional Hospitals</td>
</tr>
<tr>
<td>16</td>
<td>Nepal Police Hospital</td>
<td>Regional/Sub-Regional Hospitals</td>
</tr>
<tr>
<td>17</td>
<td>Birendra Army Hospital</td>
<td>Regional/Sub-Regional Hospitals</td>
</tr>
<tr>
<td>18</td>
<td>Armed Police Force Hospital</td>
<td>Regional/Sub-Regional Hospitals</td>
</tr>
<tr>
<td>19</td>
<td>Bharatpur Cancer Hospital</td>
<td>District Hospitals</td>
</tr>
<tr>
<td>20</td>
<td>Bhaktapur Cancer Hospital</td>
<td>District Hospitals</td>
</tr>
<tr>
<td>21</td>
<td>Pokhara Academy of Health Sciences</td>
<td>District Hospitals</td>
</tr>
<tr>
<td>22</td>
<td>Netra Jyoti Sangh</td>
<td>District Hospitals</td>
</tr>
</tbody>
</table>
% change in **OPD visits** by hospitals compared to previous year

- Bir Hospital: 23.8%
- BPKIHS: 19.6%
- Central Jail Hospital: 19.9%
- HOTC Bhaktapur: 77.7%
- Kanti Children's Hospital: 17.1%
- Manmohan Hospital: 8.2%
- Sahid Gangalal Hospital: 13.6%
- Sukra Raj Hospital: 32.3%
- Patan Hospital: 3.5%
- KAHS: 8.2%
% change in **in-patient admissions** by hospitals compared to previous year

![Bar chart showing percentage change in in-patient admissions for different hospitals. Bir Hospital: 32.3%, BPKIHS: 10.6%, Central Jail Hospital: 17.8%, HOTC Bhaktapur: 41.1%, Kanti Children’s Hospital: -7.0%, Sahid Gangalal Hospital: 4.8%, Sukra Raj Hospital: 5.6%, Patan Hospital: 7.7%, KAHS: 2.6%.](image-url)
% change in **bed occupancy rate** by hospitals compared to previous year

![Graph showing percentage change in bed occupancy rate for different hospitals. The graph displays the following changes: Bir Hospital: 27.2%, BPKIHS: 12.3%, HOTC Bhaktapur: 9.1%, Kanti Children’s Hospital: 0.0%, Mannohran Hospital: 48.8%, Sahid Gangalal Hospital: 2.4%, Sukra Raj Hospital: 13.8%, Patan Hospital: -19.2%, and KAHS: -1.4%. The graph indicates a significant increase at Mannohran Hospital and a decrease at Sukra Raj Hospital, among others.]
% change in **infection rate** by hospitals compared to previous year

<table>
<thead>
<tr>
<th>Hospital</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>BPKIHS</td>
<td>-5.4</td>
</tr>
<tr>
<td>HOTC Bhaktapur</td>
<td>0.0</td>
</tr>
<tr>
<td>Sahid Gangalal Hospital</td>
<td>208.3</td>
</tr>
<tr>
<td>Patan Hospital</td>
<td>120.6</td>
</tr>
</tbody>
</table>
% change in hospital death rate by hospitals compared to previous year

- Bir Hospital: 9.7%
- BPKIHS: 21.8%
- Central Jail Hospital: -50.0%
- Kanti Children's Hospital: -6.4%
- Sahid Gangalal Hospital: 17.6%
- Sukra Raj Hospital: 22.9%
- Patan Hospital: 13.6%
- KAHS: 36.4%
% *Beruju* clearance by hospitals

- Bir Hospital: 36%
- BPKIHS: 46.0%
- HOTC Bhaktapur: 34.8%
- Kanti Children's Hospital: 7.5%
- Sahid Gangalal Hospital: 69.3%
- Sukra Raj Hospital: 1%
- Patan Hospital: 76.1%
Opportunities

- Specialized hospitals: Gangalal hospital, Human Organ Transplant Center, Man Mohan cardio-thoracic centre, Cancer hospitals etc
  - Can collaborate with hospitals for **expansion of specialized services** in all Provinces
  - Can develop as **training sites** to produce **quality human resources**

- Collaboration with **other expertise**:
  - For improving quality services e.g. **Bio-medical engineering**

- Self-sufficient healthcare waste management
  - **Revenue from waste** is sufficient for overall waste management
Challenges: Infrastructure

- Inadequate **space and land** in most hospitals
  - NAMS, HOTC, PAHS
  - Newer buildings are required

- Old buildings needing repair and maintenance (including toilets)

- Retrofitting:
  - Causing service disruption

- Hospital bed availability vs. sanctioned beds
  - Difficult to plan manpower and patient care
Challenges: Human Resources

- Rapid turnover of hospital chief
- Hospital bed availability vs. human resources (No O & M survey for many years)
- Irrational allocation of Human Resources in existing organogram
- Management of Govt. staff vs. Hospital Development Committee staff vs. Academic Staff
Challenges: Human Resources

- Salary discrepancies among public hospitals a major cause for staff turnover
- Specialized hospitals require sanctioned post for specialists
  (e.g., Mental, Kanti Hospital)
Challenges

OTHER ISSUES

- Pharmacy
  - Difficult to manage as prescriptions are in trade name,
  - Procurement process difficult

- Increasing demand for rehabilitation services
  - Increasing burden of Non-Communicable Diseases (e.g. Mental health)

- Sickle-cell Anemia vs. Thalassemia

- Identification of bipanna nagarik still not clear
Challenges

- Semi-autonomous OR Fully autonomous OR Fully Government run hospitals
  - Discrepancies in HR management

- Equipments
  - Old needing repair and maintenance
  - Inadequate budget for Procurement of new ones
Way forward

- Infrastructure development
  - Utilization of nearby facilities and other govt. health institutions,
  - Expansion of service sites

- Integrated approach
  - Maximizing the use of existing physical infrastructure
    - e.g. Land pooling and construction of **multi-storied building** for Human Organ Transplant Center, Bhaktapur Hospital and Cancer Hospital
Way forward

- **Human resource**
  - **O & M Survey** on the basis of hospital functionality & national standards
  - Increase number of *scholarship schemes* and rational utilization of health professionals
  - Develop *performance based contracts* for health professionals (min. 2 years)
  - Develop *uniform facilities and incentives* for HR throughout all public facilities
Way forward

- Develop the concept of **umbrella university**
  - for Specialized/ Super Specialized Medical Sciences with multiple faculties/specialization affiliating existing super specialized public hospitals

- One year **fellowship course** on super specialized medical studies like kidney, heart etc

- Curative Service Division to initiate discussions for resolving issues regarding **Hospital Development staff and academic staff**
Way forward

- Implementation of strict **generic prescriptions** by MoH/NMC in govt. institutions for better pharmacy management
- Strengthen **public health wing** at all hospitals
- Mass public **awareness/motivational campaigns** on human organ transplantation
Way forward

- Promote hospital based research
- Budget allocation for initiation of waste management
- Recruitment of bio-medical engineers
- Promote optimum use of trade unions in hospital management
Thank you