GIS Mapping Of Govt. Health Facilities in India

Anoop Kumar
Joint Director
Director- Central Bureau of Health Intelligence (CBHI)
Head, WHO-Collbtng. Center on FIC (ICD10 & ICF), India
Dte.GHS / Min. Of Health & FW
Govt. of India

dircbhi@nic.in
www.cbhidghs.nic.in
www.hsprodindia.nic.in
www.cbhighf.nic.in
011-23061529
GIS Mapping of Govt. Health Facilities in India

• CBHI /Dte.GHS In MOHFW/GOI Is the National Nodal Institution on Health Intelligence In India

• Health Information & Efficient Functioning Health System Form The Backbone for Achieving the Objectives of Healthy People through meticulously Designed Policy & Strategy for an overall National Health Development

• Transition from manual paper records towards using the available user friendly technology of GIS for enhance data quality & building of knowledge depository that can be shared and passed down the years for Policy and Decision Making

• CBHI / Dte.GHS Initiated the Project on GIS Mapping Of Govt. Health Facilities (GHF) In India-WHO/GOI Collaborative Activities in the Biennium 2004-2005
GIS Mapping of Govt. Health Facilities in India

- With sustained efforts while closely involving all the 35 States / UTs during July’04-October’07, CBHI with the help of NIC (&NICS) computed the huge GHF data and created the GIS Mapping.

- Dr RK Srivastava (DGHS/GOI) & Sh YK Sharma (DDG/NIC) Launched website www.cbhighf.nic.in with Hands On Training of All the States/UTs during the National Workshop 13-14 Feb,2008

- However, before making this website public, the Online data validation and updating by all States/UTs was considered essential, which is being closely pursued.
Government Of India
Central Bureau Of Health Intelligence
Directorate General of Health Services
Ministry of Health and Family Welfare

GOVERNMENT HEALTH FACILITIES MAPPING PROJECT

MIS USERS

GIS VIEW

ADMINISTRATION
MIS USER SCREEN
Facalities shown
Health facilities
<table>
<thead>
<tr>
<th>Criteria Selected</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Facility</td>
<td>Allopathic Medical College UG only</td>
</tr>
<tr>
<td>State</td>
<td>Chandigarh</td>
</tr>
<tr>
<td>District</td>
<td>Chandigarh</td>
</tr>
</tbody>
</table>

Modify Data

Total Records Found: 0
Mapping of Government Health Facilities

Username

Password

Login

Site Designed & Developed by NIC
For further queries, please contact at Email ID: circbhi@nic.in
All India GIS Map showing Primary Health Centres State Wise
GIS Map of MP State showing spread of Primary Health Centres district Wise
Village level map of Indore District in MP showing Primary Health Centres
Zoomed Village level map of Indore District in MP showing Primary Health Centres showing concentration of PHCs in southern part of the district
Village level map of Indore District in MP showing Sub Centres
Village level map of Indore District in MP showing Community Health Centres
Village level query data of Indore District in MP showing at least one Community Health Centres (CHC), PHC and Sub-Centres together located in a village
Village level map generated using query data of Indore District in MP showing at least one Community Health Centres (CHC), PHC and Sub-Centres together located in a village.
Very Large Inventory of Govt. Health Facilities

• Towards dedicated efforts, With WHO/India Support deployed consultant & DEO for initial period of March-December’2005

• A Technical Group Of Experts Under the Chairmanship of Dy. DG & Director CBHI Formed

• After in-depth deliberations, Group decided on the inventory of about 115 govt. health facilities from peripheral till top levels in all the Districts of 35 States / UTs, and Ministries of Defence, Railways, Labour, etc. in India, required to be systematically procured

• A quantum of about 2.4 Lakhs entries needed to be computerized

• Another 3 to 4 DEOs could compute only about 40,000 entries by the year 2006 and 08 States/UTs yet to provide GHF data
Thus, another consultant was deployed July to October 2007 and facilitated obtaining the GHF data from the defaulting states/UTs.

With due approval of IFD / MOHFW, work of computing the remaining about 01.95 Lakhs entries, their GIS mapping & designing of dedicated website was assigned to a consultant NICSI agency through NIC/MOHFW.

This Website www.cbhighf.nic.in depicts the exact location of all these govt. health facilities and has scope of further enhancing.
Coverage of Govt. Health Facilities (GHF)

This website Depicts the Exact Location of each of the 115 Types of GHF of Primary / Secondary / Tertiary Levels concerning the:

- Modern (Allopathic) & AYUSH Systems of Medicines,
- Dental Health
- Nursing
- Paramedicals

Located in all the Districts of all the 35 States/UTs in India, including those covered under Ministries of Defense, Railways, Labour, etc.
Types of GHFs Covered for GIS Mapping

- Sub-Centres, PHCs, Dispensaries & CHCs
- Secondary & Tertiary Level Hospitals (general/specialist/super specialist)
- Medical Colleges (UG/PG/UG+PG)
- Dental Colleges
- Nursing Colleges (ANM, Intermediate & Graduate)
- Para-medical Colleges of various fields
- Blood Banks
- Public Health & Epidemiology Labs
- Drug Testing
- Medical Stores Depot
- PSUs Manufacturing Drugs & Vaccines
- Public Health & Research Institutions
- Disability & Rehabilitation, etc. etc
Validation of GHF Data

- All the State/UTs Representatives were given hands on training for online GHF data entry and validation
- The user ID & Password were supplied for validation
- However States/UTs were slow in updating data
- In August 2008 Hard Copy of GHF Data was sent to Director HFW of all the 35 States/UTs for Validation
- Matter Pursued with Pr Secy HFW of States/UTs and also re-trained those states which requested
- Till July’09 only Three States Gujarat, Puducherry & Manipur only confirmed GHF data updation
- August’09 DO Letter/reminder from DGHS/GOI to Chief Secretaries of 32 States/UTs for Intervention
Future Actions & Support Solicited By CBHI

• Appreciable Resources (Time about 4 Yrs, Efforts & Funds Approx INR 14Lakhs) Already Invested by CBHI/Dte.GHS/MOHFW, GOI on GIS Mapping of GHFs in India with support from WHO/India & NIC

• CBHI to open this website to all concerned at earliest once the validation of GHF data is accomplished by the States/UTs so that this vital national resource can be appropriately utilized for further applications as may be needed in our country

• CBHI expect the support from all the concerned prospective users of this website for improvisation & strengthening so as to also avoid duplication of already made valuable efforts & resources.
Thank You