With support from PEPFAR through CDC and in its commitment to improving health outcomes, CHS works in partnership with the Ministry of Health in Nyandarua County to complement and synergise the delivery of sustainable health services.

At the start of the project, CHS supported four facilities (Ol Kalou District Hospital, Engineer District Hospital, Kasuku Health Centre and Njambini Health Centre) but has since scaled up services to an additional five facilities. CHS support includes implementation and expansion of high quality HIV prevention, care and treatment services.

Support is for basic care and treatment of HIV, TB/HIV services, prevention of mother to child transmission of HIV (PMTCT), HIV Counselling and Testing (HTC) and psychosocial support and community linkages. CHS also supports monitoring, evaluation and reporting of HIV data, laboratory and pharmacy commodity systems at these facilities.

CHS support to facilities is provided in the form of human resource, infrastructure, staff training and capacity building, laboratory support, routine supervision and direct support to facilities in the form of volunteer allowances, general office supplies, stationery, communication and travel allowances to promote health service delivery. CHS also supports joint county supervision through provision of fuel for vehicles, meals and incidental allowances.

This brief summarises CHS support in Nyandarua County.
Engineer DH VCT and Youth Centre before and after the repairs.

Abbreviations

AIDS ............ Acquired Immune Deficiency Syndrome  
ANC ............. Antenatal Clinic  
ART ............. Antiretroviral Therapy  
COE ............. Centre of Excellence  
CME ............. Continuous Medical Education  
HIV ............. Human Immunodeficiency Virus  
HTC ............. HIV Testing and Counselling  
IPT ............. Isoniazid Preventive Therapy  
NACC ............ National AIDS Control Council  
NASCOP .......... National AIDS and STI Control Program  
NTLD-Unit ........ National Tuberculosis and Lung Disease Unit  
PEPFAR ........ President Emergency Plan for AIDS Relief  
PGH ............. Provincial General Hospital  
PITC ............. Provider Initiated Testing and Counselling  
PMTCT ........ Prevention of Mother to Child Transmission of HIV  
TB ............. Tuberculosis
Snapshot of Nyandarua County

Population: 693,558
Population Density: 208 people per km2

Nyandarua County constitutes five constituencies (Kinangop, Kipiriri, Ol-kalou, Ol Jorok, Ndaragwa)

Location: Central Kenya, it borders the following Counties. Laikipia to the North and North East, Nyeri and Murang’a to the East. Kiambu to the South, and Nakuru to the South West and West.

Doctor to Population Ratio: 1:10,000

Source:
Kenya Open Data (opendata.go.ke),
Commission on Revenue Allocation Kenya (crakenya.org),
and http://www.nyeri.go.ke/population%20data

CHS Supported Facilities

Engineer District Hospital
Kasuku Dispensary
Njabini Health Centre
Ol Kalou District Hospital
Nandarasi Dispensary
Leshau Pondo Health Centre
Old Mawingu Dispensary
New Tumaini Health Centre
Heni Dispensary
Human Resource for Health

CHS strengthens human resource capacity in Nyandarua County through supporting facilities with different cadres of staff including nurses, registered clinical officers, data clerks, pharmacy technicians, an accountant and a human resource assistant.

Support includes capacity building for health workers to promote the quality of health services. In addition, CHS supports registered clinical officers and roving accountants with travel and communication allowances to enhance service delivery.

CHS supports the county to provide HIV services through an annual sub-grant of approximately Kshs 17 Million. This includes support for a total of 30 staff at an annual cost of Kshs 13,906,376. Other costs include volunteer allowances for 12 peer educators; six mentor mothers and nine PITC counsellors at a cost of Kshs 2,184,000 for the year.

CHS-supported staff have played an important role in bridging the staff capacity gap at facilities, thereby promoting the level of service delivery while reducing staff overload.

Human Resource Support

<table>
<thead>
<tr>
<th>Cadre</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registered Clinical Officer</td>
<td>10</td>
</tr>
<tr>
<td>Data Clerk</td>
<td>10</td>
</tr>
<tr>
<td>Pharmacy Technician</td>
<td>2</td>
</tr>
<tr>
<td>PITC Counsellor</td>
<td>2</td>
</tr>
<tr>
<td>Enrolled Nurses</td>
<td>3</td>
</tr>
<tr>
<td>KRN Nurses</td>
<td>2</td>
</tr>
<tr>
<td>Lab Technician</td>
<td>1</td>
</tr>
<tr>
<td>HR/Administrative Assistant</td>
<td>1</td>
</tr>
<tr>
<td>Accountant</td>
<td>1</td>
</tr>
</tbody>
</table>

**TOTAL** 32
Repairs estimated at Kshs 6,420,326 are underway at Ol Kalou District Hospital's comprehensive care centre (CCC) towards providing additional space for counselling and also to improve client privacy.

The new structure is expected to have five rooms and a spacious waiting bay. This will allow the facility accommodate and attend to more clients with enhanced privacy. Besides shielding clients from unfavourable weather conditions, the waiting area will also enhance infection control by allowing free flow of air.

In 2013, CHS took up repairs to Engineer District Hospital’s Comprehensive Care Centre (CCC) at a cost of Kshs 9,634,506. This was done through innovatively converting a container into a three-room structure complete with a spacious waiting bay.

The partitioned container provides rooms for counselling, triage and consultation. The spacious corridor provides adequate space for clients to sit comfortably as they wait to be attended while shielding them from unfavourable weather conditions.

It also provides space for support groups to meet and allows peer educators to conduct training, mentoring and counselling activities. The adequate circulation of air is imperative in promoting infection control.
Equipment Support

CHS supports facilities in Nyandarua County through the procurement and supply of equipment for use at health facilities. This is done after establishing the equipment gap within the facilities and staff are further trained in the operation of technical machinery and equipment for optimal operation and maintenance.

1. Support for laboratory equipment and other diagnostic equipment ensures accurate diagnosis and reduces the need for referrals.
2. Computers, scanners, UPS, printers and other technology related equipment ensure effective data management thus increasing efficiency.

A summary of the major equipment provided in support for Nyeri County is shown below:

<table>
<thead>
<tr>
<th>Equipment Type</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Notice Boards</td>
<td>20</td>
</tr>
<tr>
<td>Office Chairs</td>
<td>18</td>
</tr>
<tr>
<td>Weighing Scales</td>
<td>10</td>
</tr>
<tr>
<td>Blood Pressure Machines</td>
<td>3</td>
</tr>
<tr>
<td>Office Desks</td>
<td>8</td>
</tr>
<tr>
<td>Filing Cabinets</td>
<td>5</td>
</tr>
<tr>
<td>Examination Couches</td>
<td>3</td>
</tr>
<tr>
<td>Steel Storage Cupboards</td>
<td>3</td>
</tr>
<tr>
<td>Cabinets</td>
<td>2</td>
</tr>
<tr>
<td>Desktop Computers</td>
<td>1</td>
</tr>
<tr>
<td>Laptops</td>
<td>1</td>
</tr>
</tbody>
</table>

KSHS 5,800,000 in equipment for health facilities
Training and Capacity Building

CHS continuously builds the capacity of staff through trainings, mentorship and review meetings with an objective of equipping health workers with skills necessary to provide high quality of care.

A total of 210 health workers from different facilities in Nyandarua County have so far been trained in various training forums including District Continuous Medical Education (CMEs), Facility CMEs, Formal Trainings and Mentorship.

<table>
<thead>
<tr>
<th>Type of training</th>
<th>Female</th>
<th>Male</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>District CMEs</td>
<td>24</td>
<td>14</td>
<td>38</td>
</tr>
<tr>
<td>Facility CMEs</td>
<td>50</td>
<td>37</td>
<td>87</td>
</tr>
<tr>
<td>Formal Trainings</td>
<td>43</td>
<td>35</td>
<td>78</td>
</tr>
<tr>
<td>Routine Mentorship</td>
<td>4</td>
<td>3</td>
<td>7</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>210</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Engineer District Hospital staff

1,252 health care workers trained in various technical fields
Data Management

Data management plays an imperative role in measuring success in the health sector. Unfortunately, a majority of health facilities have inadequate data management infrastructure and this makes it difficult to assess performance through data analysis.

CHS strives to promote data management practices through creating innovative decision support systems, training and capacity building for relevant staff and computerising health facilities to ensure that they can implement such systems.

CHS developed the Integrated Patient Management System (IPMS) that will replace the previously used CCC Patient Application Database (CPAD) system and is expected to present great possibilities in data management. Olkalou and Engineer District Hospitals are among the facilities piloting IPMS in readiness for full launch.

ART Monitoring

CHS supports monitoring of patients through laboratory sample transport networks for CD4 testing within the county and for viral load testing in Nairobi.

The Integrated Patient Management System (IPMS) is expected to present great possibilities in data management