WHO WE ARE

Centre for Health Solutions – Kenya (CHS) is a local, not-for-profit organisation that utilises local and expertise as well as strategic partnerships to implement evidence informed solutions and interventions to existing and emerging public health concerns across all of Kenya’s 47 counties.

Guided by a vision of a world of healthy families through universal access to health interventions and services, CHS works in partnership with the national and county governments, donors and other stakeholders for the delivery of sustainable health services.

Through its Naishi Project, CHS is focused on achieving HIV epidemic control in Machakos, Makueni and Kitui through the provision of high quality HIV prevention, care and treatment services.

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<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>No. of HIV tests done</td>
<td>192,694</td>
<td>220,665</td>
<td>195,951</td>
</tr>
<tr>
<td>No. of people diagnosed with HIV</td>
<td>3,072</td>
<td>3,471</td>
<td>3,681</td>
</tr>
<tr>
<td>No. of people started on antiretroviral treatment</td>
<td>2,694</td>
<td>2,976</td>
<td>3,173</td>
</tr>
<tr>
<td>Total No. of people on antiretroviral treatment at the end of the PEPFAR yr (September)</td>
<td>21,580</td>
<td>22,317</td>
<td>24,147</td>
</tr>
</tbody>
</table>
Support from PEPFAR through CDC

For more than a decade, the United States President’s Emergency Plan for AIDS Relief (PEPFAR), through the Centers for Disease Control and Prevention (CDC) has been working in partnership with the County Department of Health in Machakos County to strengthen health systems towards the delivery of sustainable health services.

Using the World Health Organization (WHO) approach to health systems strengthening, CDC supports the strengthening of service delivery, health leadership and governance, human resources for health, health infrastructure and equipment, health information systems as well as health products and commodity security.

With support from PEPFAR through CDC, CHS is currently supporting 70 health facilities in the county to implement and expand sustainable high quality HIV services specifically comprehensive HIV prevention, care and treatment with improved yield and retention of patients on treatment.

Since the inception of the Naishi Project in 2016 the investment from PEPFAR through CDC has been as highlighted below:

<table>
<thead>
<tr>
<th>Year</th>
<th>Direct Investment (Ksh)</th>
<th>Indirect Investment (Ksh)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016/2017</td>
<td>131,420,548</td>
<td>HTS Testing booths</td>
</tr>
<tr>
<td>2017/2018</td>
<td>173,016,452</td>
<td>(Machakos Level 5 &amp;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Athi River Health Centre</td>
</tr>
<tr>
<td>2018/2019</td>
<td>162,894,718</td>
<td>Hospital furniture,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>medical and computer</td>
</tr>
<tr>
<td></td>
<td></td>
<td>equipment - EMR</td>
</tr>
<tr>
<td>2019/2020</td>
<td>135,962,874</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>603,294,592</td>
<td>Sub total</td>
</tr>
</tbody>
</table>

**Cumulative Investment**

616,340,259

**Snapshot of Machakos County**

Population: 1,202,871
Population Density: 194 per KM2
Area: 6,208 KM2

Location: Located in the former Eastern Province, it borders Embu, Murang’a and Kiambu counties to the north, Nairobi and Kajiado counties to the west, Makueni County to the south and Kitui County to the east.

Doctor to Population Ratio: 1: 27,000

Source:
Kenya Open Data (www.opendata.go.ke),
Commission on Revenue Allocation Kenya (www.crakenya.org)
CHSSupported Facilities

Itaeni Dispensary
Athyri Health Centre
Katan Dispensary
Kamian Dispensary
Makadara Health Care
Mlolongo Health Centre
St Immaculate Clinic
Apk Dispensary (Machakos)
Approved School Dispensary (Machakos)
Kalama Dispensary
Kamuthanga Dispensary
Kiitini Dispensary
Kimutwa Dispensary
Kititu Dispensary
Kola Health Centre
Kyawala Dispensary
Machakos Level 5 Hospital
Mua Hills Dispensary
Mutituni Dispensary
Mumandu Dispensary
Shalom Community Hospital (Machakos)
Kathiani Sub County Hospital
Kaviani Health Centre
Mitaboni Health Centre
Mamboni Dispensary
Thiru Health Centre
Katulani Health Centre
Masii Health Centre
Mbiuni Health Centre
Miu Health Centre
Muthethen Health Centre
Muusini Dispensary
Mwala Sub County Hospital
Vyuyla Dispensary
Wanunyu Health Centre
Ekakala Health Centre
Iuuma Dispensary
Kangonide Health Centre
Kaimuweni Dispensary
Kathukin Dispensary
Kikul Dispensary
Kithyoko Health Centre
Kivaa Health Centre
Mananja Health Centre
Masinga Sub County Hospital
Makusu Dispensary
Musingini Dispensary
Ikombe Dispensary
Katangi Health Centre
Kikes Dispensary
Kisiki Dispensary
Kithimani Dispensary Dispensary
Kysion Dispensary
Matuu Sub County Hospital
Kakuyuni Health Centre
Kangundo Sub County Hospital
Kivaani Health Centre
Mukuni Dispensary
Ndununi Dispensary
Donyo Sabuk Dispensary
Kalandini Health Centre
Kwagui Dispensary
Matungulu Health Centre
Ngulu Dispensary
Sengani Dispensary
Tumaini Reproductive Health Clinic
Machakos Town Drop in Centre
Mlolongo Drop in Centre
Kwagui Drop in Centre
Tala Drop in Centre

Human Resource for Health

CDC through CHS strengthens human resource capacity by supporting facilities with different cadres of health care workers including: Clinical Officers, Data Clerks, HIV Testing Officers, Nurses, Nutritionists, Adherence Counsellors, Accountants, Laboratory Technicians among others to bridge the human resource gap.

Human Resource Support Since 2016

<table>
<thead>
<tr>
<th></th>
<th>CHS/MOH Supported Staff</th>
<th>Lay Workers</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016/2017</td>
<td>226</td>
<td>151</td>
<td>377</td>
</tr>
<tr>
<td>2017/2018</td>
<td>262</td>
<td>162</td>
<td>424</td>
</tr>
<tr>
<td>2018/2019</td>
<td>241</td>
<td>112</td>
<td>353</td>
</tr>
<tr>
<td>2019/2020</td>
<td>158</td>
<td>144</td>
<td>302</td>
</tr>
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</table>
Leadership and Governance
Machakos County has demonstrated the ability to sustain the gains accruing from the partnership with CDC through allocation of additional resources to the Department of Health, that has enabled recruitment of over 800 health workers by the county government since devolution.

To respond to the HIV epidemic, the county developed and adopted a five-year county specific HIV/AIDS strategic plan to guide its response to the epidemic and has proposed to increase her domestic funding for HIV response in the coming years.

Equipment Support
CDC has made investments worth Kshs 66.2 million on medical equipment for various health facilities in Machakos County over the last five years.

This equipment include: biosafety cabinets, CD4 count analysers, haematology analysers, biochemistry analysers, refrigerators, microscopes and IT equipment among others. Major renovation of the Machakos Level 5 comprehensive care clinic was also supported through PEPFAR funding in 2015, additional HIV testing booths were built in Athi River Health Centre and Machakos Level 5 Hospital.

Health Infrastructure Support
Through partnership with the Machakos County Government, CHS has provided Information Technology infrastructure and supported data migration to the IQ Care (Electronic Medical Records) in 26 facilities. In addition, the project has supported hospital staff training on IQ Care with nine facilities including Machakos Level 5 Hospital fully transitioning to the “paperless” Point of Care (POC) system.