Provider Information Day
Integrated Sexual Health and Contraception Services in Cambridgeshire

Airspace Conference Centre, Imperial War Museum
Duxford Cambridgeshire
Friday 15th June 2012
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Cambridge City
Cambridgeshire – The Fens
Overview

Population Profile

Current Sexual Health Services

Future Services
The Demographics

- Population estimated at 605,400 people living in Cambridgeshire
- 17.3% are under 15 years of age and 16.3% are over 65
- Cambridge City has the highest concentration of the adult working age (16-64 years) age population at 73% of its total population compared to 65.2% on average
- Population forecasts suggest that the population of Cambridgeshire is set to increase by 13% between 2011 and 2021 (78,400 people in total), with the majority of the increase seen in Cambridge City and South Cambridgeshire (2011-2021)
- Cambridgeshire has a predominantly white population. However, Cambridge City has a higher proportion of people from non-white ethnic groups, when compared to the national average, many of whom are students or professionals. There are also considerable numbers of Travellers and migrant workers within Cambridgeshire.
## District Populations

<table>
<thead>
<tr>
<th>Local Authority</th>
<th>Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cambridge</td>
<td>119,800</td>
</tr>
<tr>
<td>East Cambridgeshire</td>
<td>80,800</td>
</tr>
<tr>
<td>Fenland</td>
<td>94,200</td>
</tr>
<tr>
<td>Huntingdonshire</td>
<td>165,300</td>
</tr>
<tr>
<td>South Cambridgeshire</td>
<td>145,300</td>
</tr>
<tr>
<td>Cambridgeshire</td>
<td>605,400</td>
</tr>
</tbody>
</table>
Population Profile

- Deprivation varies greatly across the county, with Fenland, north-east Cambridge and parts of North Huntingdon having the highest levels of relative deprivation.

- A rural area nearly a fifth of Cambridgeshire’s population do not have access to a car or van. Urban Cambridge City has the lowest levels of car ownership. Fenland has the second highest levels of non-car ownership.

- The estimated unemployment rate in Cambridgeshire increased from 5.4% in July 2008/June 2009 to 6.0% in July 2010/June 2011. The highest level of unemployment is seen in Fenland at 8.3%, which is higher than the national rate of 7.7%.

- Over 59% (2011) of Cambridgeshire pupils achieved 5 or more GCSEs but in Fenland 43% of candidates attained 5 or more GCSE grades A*-C, compared to 69% in South Cambridgeshire.

- Life expectancy at birth in 2008-2010 was higher in all Cambridgeshire districts except for Fenland where in males it was significantly lower than England.

- On average around 4,800 deaths a year in Cambridgeshire (2008-2010) Circulatory disease and cancer are the main causes of death. Cambridgeshire has rates of mortality from all causes significantly lower than for England. The same is true for mortality from cancer, mortality from circulatory diseases and premature mortality.

- Health Profile indicators where Cambridgeshire is significantly worse than the national average are: physically active children, incidence of malignant melanoma and road injuries and deaths.
Current Services

**Cambridge City Clinic**
GUM
Levels 1 & 2 Sexual Health Service, Levels 1, 2 & 3 Contraception

**Huntingdonshire**
Huntingdon: GUM and Levels 1, 2 & 3 Contraception

**Fenland**
Wisbech: 2 sessions per week CASH
March: 1 session per week - Levels 1/2 Contraception

**East Cambridgeshire**
Ely: 1 session per week CASH

**South Cambridgeshire**: No services
Other Services

• School Based Services

• Chlamydia Screening Programme (Local Enhanced Service for GP practices and Pharmacies)

• E-Triage – web-based booking services

• Primary Care (level 1 & Local Enhanced Service for LARCs)
Throughput

- Sexual Health: 25,500
- Contraception: 14,000 - underestimation (includes 7,000 telephone calls)
Sexual Health Clinics in Cambridgeshire, as at June 2012

- Wisbech
- March
- Ely
- The Oaktree, Huntingdon
- Ilse Laurels, Cambridge
- Clinic 6, CUHFT

Legend:
- SH Clinic Provision
- Level 1.2 sessions only
- Districts

Map produced by Cambridgeshire Primary Care Trust.
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Epidemiology

Number of diagnosed HIV-infected individuals resident in Cambridgeshire, year and sex

Source: SOPHID, HPA
People Diagnosed with HIV

Number of people diagnosed with HIV living in NHS Cambridgeshire by care provider, 2005-2010

- **Cambridge - CUFHT**
  - 2005: 130
  - 2006: 151
  - 2007: 181
  - 2008: 193
  - 2009: 200
  - 2010: 212

- **Huntingdon - Hinchinbrooke Hospital**
  - 2005: 59
  - 2006: 65
  - 2007: 75
  - 2008: 80
  - 2009: 84
  - 2010: 86

- **King’s Lynn - Queen Elizabeth Hospital**
  - 2005: 14
  - 2006: 12
  - 2007: 17
  - 2008: 23
  - 2009: 17
  - 2010: 18

- **Peterborough - District Hospital**
  - 2005: 8
  - 2006: 10
  - 2007: 12
  - 2008: 14
  - 2009: 13
  - 2010: 12

- **NHS Cambridgeshire residents**
  - 2005: 234
  - 2006: 264
  - 2007: 325
  - 2008: 355
  - 2009: 366
  - 2010: 386

Source: SOPHID data, NHS Cambridgeshire
HIV and Deprivation

Number of diagnosed HIV infected individuals resident in Cambridgeshire
Quintile of deprivation, Rate per 100,000 population, 2010

Source: SOPHID, HPA and ONS Mid 2010 MSOA population estimates
# Teenage Conceptions, 2010

Source: Office for National Statistics and Department for Education

<table>
<thead>
<tr>
<th>District</th>
<th>Number of Conceptions</th>
<th>Conception rate per 1,000 women in age group</th>
<th>Maternity rate per 1,000 women in age group</th>
<th>Abortion rate per 1,000 women in age group</th>
<th>Percentage of conceptions leading to abortion</th>
<th>% change in conception rate 2009-2010</th>
<th>% change in conception rate 1998-2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cambridge</td>
<td>51</td>
<td>27.7</td>
<td>10.3</td>
<td>17.4</td>
<td>62.7</td>
<td>-30.2</td>
<td>-17.6</td>
</tr>
<tr>
<td>East Cambridgeshire</td>
<td>24</td>
<td>17.4</td>
<td>6.5</td>
<td>10.9</td>
<td>62.5</td>
<td>0.0</td>
<td>-51.0</td>
</tr>
<tr>
<td>Fenland</td>
<td>66</td>
<td>40.2</td>
<td>26.8</td>
<td>13.4</td>
<td>33.3</td>
<td>13.2</td>
<td>-26.5</td>
</tr>
<tr>
<td>Huntingdonshire</td>
<td>75</td>
<td>23.5</td>
<td>11.3</td>
<td>12.2</td>
<td>52.0</td>
<td>-13.6</td>
<td>-21.1</td>
</tr>
<tr>
<td>South Cambridgeshire</td>
<td>48</td>
<td>18.3</td>
<td>6.1</td>
<td>12.2</td>
<td>66.7</td>
<td>10.2</td>
<td>10.2</td>
</tr>
<tr>
<td>Cambridgeshire</td>
<td>264</td>
<td>24.7</td>
<td>11.6</td>
<td>13.1</td>
<td>53.0</td>
<td>-13.0</td>
<td>-21.3</td>
</tr>
<tr>
<td>England</td>
<td>32,552</td>
<td>35.4</td>
<td>17.6</td>
<td>17.8</td>
<td>50.3</td>
<td>-7.3</td>
<td>-24.0</td>
</tr>
</tbody>
</table>
Teenage Pregnancy Target

Cambridgeshire County Council
Conception rates in under 18 year olds
Progress to target

Source: Office for National Statistics and Department for Education
## Diagnosed STI’s – GUMCAD - Patients from Cambridgeshire PCT attending any clinic

<table>
<thead>
<tr>
<th>Condition</th>
<th>Number of diagnoses</th>
<th>Rate of diagnoses</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2008</td>
<td>2009</td>
</tr>
<tr>
<td>Chlamydia</td>
<td>1,040</td>
<td>1,383</td>
</tr>
<tr>
<td>Gonorrhoea</td>
<td>70</td>
<td>68</td>
</tr>
<tr>
<td>Syphilis</td>
<td>13</td>
<td>6</td>
</tr>
<tr>
<td>Herpes</td>
<td>189</td>
<td>194</td>
</tr>
<tr>
<td>Warts</td>
<td>706</td>
<td>682</td>
</tr>
<tr>
<td>New STIs</td>
<td>3,268</td>
<td>3,422</td>
</tr>
<tr>
<td>Other STIs</td>
<td>756</td>
<td>755</td>
</tr>
</tbody>
</table>
Number and rates of STIs by District of residence, 2011 (HPA)

<table>
<thead>
<tr>
<th>Local Authority of residence</th>
<th>Chlamydia (all ages)</th>
<th>Gonorrhoea</th>
<th>Herpes</th>
<th>Warts</th>
<th>Acute STIs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number</td>
<td>Rate</td>
<td>Number</td>
<td>Rate</td>
<td>Number</td>
</tr>
<tr>
<td>Cambridge</td>
<td>539</td>
<td>428.7</td>
<td>19</td>
<td>15.1</td>
<td>51</td>
</tr>
<tr>
<td>East Cambridgeshire</td>
<td>159</td>
<td>187.2</td>
<td>-</td>
<td>-</td>
<td>22</td>
</tr>
<tr>
<td>Fenland</td>
<td>234</td>
<td>254.5</td>
<td>-</td>
<td>-</td>
<td>29</td>
</tr>
<tr>
<td>Huntingdonshire</td>
<td>409</td>
<td>244.5</td>
<td>16</td>
<td>9.6</td>
<td>83</td>
</tr>
<tr>
<td>South Cambridgeshire</td>
<td>378</td>
<td>258.2</td>
<td>15</td>
<td>10.2</td>
<td>43</td>
</tr>
<tr>
<td>Cambridgeshire</td>
<td>1,719</td>
<td>278.9</td>
<td>60</td>
<td>9.7</td>
<td>228</td>
</tr>
</tbody>
</table>

‘-’ denotes less than 6 cases or has been removed to avoid disclosure. Syphilis has been excluded due to the small numbers involved.
‘A modern integrated sexual health service that will meet the sexual health needs of local residents of Cambridgeshire and enable them to have positive sexual health and wellbeing.

The service shall provide a flexible holistic approach to sexual health, enabling services users to address issues of contraception and testing for STIs delivered in one holistic sexual health appointment, delivered, ideally and when possible by one practitioner’
Future Services – Objectives

• To reduce the rates of STIs and HIV

• To reduce inequalities in sexual health and the inequity of service provision across Cambridgeshire

• To contribute to reduction in the number of teenage conceptions To contribute to reduction in the number of terminations

• To improve access to chlamydia screening

• To reduce the prevalence of undiagnosed HIV infection and late diagnosis of people with HIV through the effective uptake of HIV testing.
Service Description

• Access and location reflect public and patient engagement.

• Increasing positive sexual health part of its service delivery

• Specialist sexual health referral service for General Practice, seeing patients with more complex sexual health needs or who require sexual health services which their GP may not provide

• The Integrated Sexual Health Service shall act as the local sexual health service leader. Provide support and effective clinical governance systems for integrated sexual health across the county.

• Develop appropriate care and referral pathways between a range of services e.g. termination of pregnancy, infectious diseases, infectious diseases – acute hospitals, SARC, primary care, gynaecology
Service Model

• Integrated Sexual Health and Contraceptive Hub and Spoke Model
  • Hubs: 3 levels of sexual health and contraceptive services, consultant led, with specialist nurses
  • Spokes: levels 1 & 2 sexual health and contraceptive services, primarily nurse led services

• Young People’s Services

• Chlamydia Screening Programme

• Condom Distribution Scheme

• Central Booking and Triage System

• Care Pathway
Key Service Outcomes

- Provide a fully integrated evidence based, cost-effective sexual health and contraception services.

- A fully integrated Chlamydia Screening Programme

- Provide access to the full range of sexual health and contraception services across the whole of the county using a hub and spoke model, addressing the service inequities between the north and south of the county

- Provide a central triage and booking systems that services the whole service

- Prevention and treatment services provided by multi-disciplinary team that utilizes nurse led services.

- The full engagement of users and the public in its development, evaluation and on-going delivery

- Contribute to the public health surveillance through a robust electronic data collection process that is compliant with all national and local data collection requirements