Health Services Overview

Terri Catlett, Deputy Director
NCDPS/Prisons
DPS Health Services

**Mission:** To provide or coordinate the administration of comprehensive health care services that meet the physical and mental health needs of incarcerated offenders.

**Vision:** To become a nationally recognized public health model of correctional healthcare and for the transformation of lives for those reentering society.

**Values:** To foster a work environment that promotes excellence, integrity, accountability, compassion, safety, and teamwork.
Offender Population

New admissions arrive daily for processing

- Current population as of October 9, 2018: 35,506
  - less than 20,000 in 1990
  - high as 40,000 in 2011

- Additional consideration
  - General health status declining
  - Average age of offenders increasing
Healthcare Services

Comprehensive
- Medical and Surgical Care
- Behavioral Health Care
- Dental Care
- Nursing Care

Primary Care Services provided at (55) facilities, (3) CRVs, and (2) residential ACDP facilities across the state.

Level of Services
- Primary Care
- Specialty Care
- Inpatient Care
- Residential Care

Specialty Care Services provided at selected facilities:
- Central Prison
- North Carolina Correctional Institution for Women (NCCIW)
- Piedmont Correctional Institution
- Alexander Correctional Institution
- Maury Correctional Institution
Male Offenders total with acuity equivalent for more extensive care

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th>Hospitalized for medical and/or mental condition</th>
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<tbody>
<tr>
<td>2A</td>
<td>2845</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2B</td>
<td>2246</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2AB</td>
<td>1470</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3A</td>
<td>361</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3B</td>
<td>114</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3AB</td>
<td>27</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>7,113</td>
<td></td>
<td></td>
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<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th>Total = 214</th>
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<tbody>
<tr>
<td>4A</td>
<td>131</td>
<td></td>
<td></td>
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<tr>
<td>4B</td>
<td>55</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4AB</td>
<td>55</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>214</td>
<td></td>
<td></td>
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</tbody>
</table>

Total male population 33,656 22% of the population
Female Offender totals with acuity equivalent for more extensive care

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
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</tr>
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<tbody>
<tr>
<td>2A</td>
<td>413</td>
<td>&quot;Hospitalized for medical and/or mental condition&quot;</td>
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<tr>
<td>2B</td>
<td>408</td>
<td></td>
</tr>
<tr>
<td>2AB</td>
<td>517</td>
<td></td>
</tr>
<tr>
<td>3A</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>3B</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>3AB</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1,362</strong></td>
<td></td>
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</table>

Total female population 2,895  51% of the population
Chronic Care Needs

Aging population
- ≥ 50 years old - 7,844 - 22%
- ≥ 65 years old - 1,100
- Increasing acuity
- Multifactorial
- Unstable mental and/or medical chronic conditions
- Limited appropriate housing for the elderly offender and/or the offender with a chronic illness
- Resource management

Early Medical releases

<table>
<thead>
<tr>
<th>Year</th>
<th>Considered</th>
<th>Released</th>
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</thead>
<tbody>
<tr>
<td>2013</td>
<td>57</td>
<td>13</td>
</tr>
<tr>
<td>2014</td>
<td>70</td>
<td>11</td>
</tr>
<tr>
<td>2015</td>
<td>64</td>
<td>11</td>
</tr>
<tr>
<td>2016</td>
<td>74</td>
<td>12</td>
</tr>
<tr>
<td>2017</td>
<td>79</td>
<td>15</td>
</tr>
<tr>
<td>2018 to date</td>
<td>39</td>
<td>3</td>
</tr>
</tbody>
</table>
Behavioral Health Services

- Triage/Screening
- Emergency Services with crisis intervention
- Diagnostic and processing services
- Outpatient Treatment
- Residential Treatment
- Inpatient Services
- Alcoholism and Chemical Dependency Programs
- Special Programs (Sex offender, Therapeutic Diversion Units, Day Treatment for individuals with developmental disabilities)
Behavioral Health Services

Define specific individuals’ treatment needs to assure coordination of services.

- **M1** Receiving no behavioral health services
- **M2** Outpatient Behavioral Health Services, receiving services from a psychologist and/or a Licensed Clinical Social Worker
- **M3** Outpatient Behavioral Health Services, receiving services from a psychologist and/or licensed clinical social worker and a psychiatrist
- **M4** Residential Behavioral Health
- **M5** Inpatient Behavioral Health
Behavioral Health Services

Percentage of offenders provided with behavioral health services within the total prison population.

History: 2007 9.8%
↑ July 2018 17.41%
Behavioral Health Services

Yearly average daily census

2008: M2 = 1367, M3 = 2182
2009: M2 = 1396, M3 = 2529
2010: M2 = 1492, M3 = 2735
2011: M2 = 1491, M3 = 2858
2012: M2 = 1396, M3 = 2853
2013: M2 = 1347, M3 = 2985
2014: M2 = 1130, M3 = 3205
2015: M2 = 981, M3 = 3602
2016: M2 = 956, M3 = 4485
2017: M2 = 940, M3 = 4592
Jul-18: M2 = 954, M3 = 5046

North Carolina Department of Public Safety
Behavioral Health Services

July 2018 there were 24,373 encounters with an offender by behavioral health staff; includes but is not limited to:
- triage
- crisis intervention
- assessments
- individual therapy

July 2018 there were 6,494 groups provided; includes but is not limited to:
- anger management
- coping skills
- self-improvement
- problem solving
- stress management
- release planning
- transitional services
Dental Services

Services driven via protocols
Exam for all admissions to prison
Services provided as needed
On-going preventive and hygiene stressed

July 2018
- Screening  (1,746)
- Extractions  (1,315)
- Prophylaxis  (757)
- Restorations (818)
- ETC                 (3,130)
- Total encounters: 7,766

Relatively low vacancy rate with dentists @ 5.2%

Cost saving: Since 2015 three antiquated, underutilized dental clinics (Franklin, Hoke, Odom) were closed with realignment of the region. This has resulted in more efficient operations and the savings from operating fewer clinics (equipment, supplies, 2 contracts)
Pharmacy Services

Operations
- Prescription dispensing of pharmaceuticals and devices- average of 5,290 daily
- IV Prep Dispensing- average 64 daily
- Clinical Services
- Infusion Services
- Warehouse Services

Dispensing from medication and devices from three sites:
- Apex
- Central Prison Healthcare Complex
- NCCIW Healthcare Complex

Formulary used system-wide
All additions /deletions to the formulary approved by the Pharmacy and Therapeutic Committee (P&T).
A utilization process to utilize drugs not on the formulary as needed. Committee consists of:
- Medical Director
- Deputy Medical Director
- Director of Psychiatry
- Physician
- Pharmacist
- Director of Nursing
- QA Nurse
### Pharmacy Services

Prescriptions filled @ Apex, NCCIW, CPHC

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Number of Prescriptions per year/per day</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY 2013-14</td>
<td>1,275,610 fiscal year / 4,887 day</td>
</tr>
<tr>
<td>FY 2014-15</td>
<td>1,281,399 fiscal year / 4,909 day</td>
</tr>
<tr>
<td>FY 2015-16</td>
<td>1,348,639 fiscal year / 5,167 day</td>
</tr>
<tr>
<td>FY 2016-17</td>
<td>1,417,912 fiscal year / 5,694 a day</td>
</tr>
<tr>
<td>FY 2017-18</td>
<td>1,467,850 fiscal year / 5,920 a day</td>
</tr>
</tbody>
</table>
## Pharmaceutical Cost

<table>
<thead>
<tr>
<th>Fiscal</th>
<th>Expenditures</th>
<th>% change from previous FY</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY 2012-13</td>
<td>$30,249,876</td>
<td></td>
</tr>
<tr>
<td>FY 2013-14</td>
<td>$35,483,867</td>
<td>15%↑</td>
</tr>
<tr>
<td>FY 2014-15</td>
<td>$36,646,415</td>
<td>3%↑</td>
</tr>
<tr>
<td>FY 2015-16</td>
<td>$45,104,359</td>
<td>18%↑</td>
</tr>
<tr>
<td>FY 2016-17</td>
<td>$62,385,780</td>
<td>28%↑</td>
</tr>
<tr>
<td>FY 2017-18</td>
<td>$53,551,133</td>
<td>16%↓</td>
</tr>
</tbody>
</table>
Pharmaceutical Cost

Hepatitis C Purchases in Fiscal Year 2017 - $18,702,538
Hepatitis C patients treated in Fiscal Year 2017 - 320 patients

Hepatitis C Purchases in Fiscal Year 2018 - $8,093,066
Hepatitis C patients treated in Fiscal Year 2018 - 305 patients
## DPS Medical Expenses

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Actual Expenditures</th>
<th>Cost Per Inmate</th>
<th>Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013 – 2014</td>
<td>$241,246,050</td>
<td>$6,419</td>
<td>37,581</td>
</tr>
<tr>
<td>2014 – 2015</td>
<td>$249,041,874</td>
<td>6,581</td>
<td>37,841</td>
</tr>
<tr>
<td>2015 – 2016</td>
<td>$269,400,694</td>
<td>7,254</td>
<td>37,136</td>
</tr>
<tr>
<td>2016 – 2017</td>
<td>$322,047,932</td>
<td>8,845</td>
<td>36,411</td>
</tr>
<tr>
<td>2017 – 2018</td>
<td>$327,581,143</td>
<td>8,995</td>
<td>36,419</td>
</tr>
</tbody>
</table>
Cost Saving Initiatives

- Long-term care facility – CPHC (Unit 7)
  East – 46 beds
  West – 56 beds

- Telemedicine – RFP
  Tele psych – 3,000 encounters/month

- Oncology – RFP – pending award

- Pharmacy after hour meds - RFP
Medicaid Enrollment

- SW Screen all admissions for eligibility
- SW complete application, send to respective county
- Cost Sharing
- Savings Realized:

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Savings</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013 – 2014</td>
<td>$11,799,995.00</td>
</tr>
<tr>
<td>2014 – 2015</td>
<td>11,654,540.00</td>
</tr>
<tr>
<td>2015 – 2016</td>
<td>10,563,632.00</td>
</tr>
<tr>
<td>2016 – 2017</td>
<td>8,999,972.00</td>
</tr>
<tr>
<td>2017 – 2018</td>
<td>6,654,543.11</td>
</tr>
<tr>
<td><strong>Five-year savings</strong></td>
<td><strong>$49,672,632.11</strong></td>
</tr>
</tbody>
</table>
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Questions?