Clinical Care in Correctional Settings

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Correctional System

- Corrections =
  - Agencies at local, state and federal level
  - Detention – individuals accused of crimes
  - Correction – individuals convicted of a crime

Demographics

- 2008 – 7.3 Million under correctional supervision (jail, prison, parole, probation)
  - 3.1% of the population
  - 1 in every 32 adult US residents
  - Minorities disproportionately represented
  - At current rates….
    - 32% of African American men
    - 17% of Hispanic men
    - 5.9% of Caucasian men
    - …will be incarcerated in their lifetimes

Prevalence of Imprisonment in the US by Race and Gender

Providers

- County, State or Federal employees
- Local Public Health Departments
- University Medical Centers
- For-profit Contractors
- Telemedicine
The Challenge

- To meet the same standards as health care in the general population
- Health Services vary widely in availability and delivery by county, state, country, and by setting, budget and size of facility

The Opportunity

- To promote public health to a high-risk population

Prevalence of Infectious Diseases, TDCJ 1999-2000

<table>
<thead>
<tr>
<th>Disease</th>
<th>Prevalence of disease per 100,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Latent tuberculosis infection</td>
<td>16,511-24,600*</td>
</tr>
<tr>
<td>Hepatitis C</td>
<td>8377</td>
</tr>
<tr>
<td>HIV/AIDS</td>
<td>1439</td>
</tr>
<tr>
<td>Syphilis</td>
<td>650</td>
</tr>
<tr>
<td>MRSA</td>
<td>328</td>
</tr>
<tr>
<td>Hepatitis D</td>
<td>216</td>
</tr>
<tr>
<td>Hepatitis B</td>
<td>84</td>
</tr>
<tr>
<td>Active tuberculosis</td>
<td>38</td>
</tr>
<tr>
<td>Pneumonia</td>
<td>27</td>
</tr>
<tr>
<td>Gonorrhea</td>
<td>15</td>
</tr>
<tr>
<td>Encephalitis</td>
<td>3.0</td>
</tr>
</tbody>
</table>

15 Most Prevalent Diseases, TDCJ 1997-1998

<table>
<thead>
<tr>
<th>Disease</th>
<th>Percentage of inmates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuberculosis (infection or contact positive tuberculin skin test)</td>
<td>20.1</td>
</tr>
<tr>
<td>Hypertension</td>
<td>9.8</td>
</tr>
<tr>
<td>Asthma</td>
<td>5.2-8.5*</td>
</tr>
<tr>
<td>Low back pain</td>
<td>5.1</td>
</tr>
<tr>
<td>Viral hepatitis</td>
<td>5.0</td>
</tr>
<tr>
<td>Affective disorders</td>
<td>3.9</td>
</tr>
<tr>
<td>Arthritis</td>
<td>3.5</td>
</tr>
<tr>
<td>Fractures</td>
<td>2.9</td>
</tr>
<tr>
<td>Cirrhosis</td>
<td>2.8</td>
</tr>
<tr>
<td>Diabetes mellitus</td>
<td>2.6-4.8*</td>
</tr>
<tr>
<td>Hernia</td>
<td>2.0</td>
</tr>
<tr>
<td>Schizophrenia</td>
<td>2.0</td>
</tr>
<tr>
<td>Epilepsy</td>
<td>1.9</td>
</tr>
<tr>
<td>Heart disease</td>
<td>1.7</td>
</tr>
<tr>
<td>HIV/AIDS</td>
<td>1.6</td>
</tr>
</tbody>
</table>

Barriers

- Financial and human resource constraints
  - Imprisonment access to health care prior to incarceration
  - Limited community resources to care for IM needs
    - Inmate Co-Payments

Money

- Financial and human resource constraints
  - IM w/limited access to health care prior to incarceration
  - Limited community resources to care for IM needs
    - Inmate Co-Payments
Infection Control

- HIV, HEP C, TB, MRSA
- Building Design – space
- Ease of Transmission – proximity, overcrowding
  - No Bleach
  - No Condoms
- Containment
  - Isolation
  - Lack Access to Showers/Clean Clothes
  - Limited Cleaning Supplies/Appliances

Privacy

- For Provider – Patient Confidentiality
- From the Security Apparatus
  - Legal and punitive concerns
- From other inmates
  - Stress, anger, hostility,
  - Exacerbation of symptoms,
  - Psychiatric disturbance

Security Apparatus

- Differing Goals – Differing Perspectives
- Housing – Movement, Medical Housing
- Idleness
- Safety/Security – Hand-cuffs/shackles
- Sending Pt's Off-Site
- Privileges – e.g., Shoes
- Shake-Downs

Lifestyle Modifications

- Diet
- Exercise
- Commissary
- Coping Strategies

Access to Medication

- Getting Seen by a Provider
- Formulary
- Dispensing Issues
- Pain Control
- The ER
- Referrals and Consults

Inmate Turnover

- Release from Custody
- Continuity of Care
- Return to Custody
Uniqueness

A Unique Situation
- FRONT LINE (infxn, Psych, Detox)
- Suicide -32% of deaths in jail vs 6% in prison; 48% in 1st week
- OP Clinic
- IP Infirmary
- Urgent Care
- Limited Formulary
- Time / Productivity
- Patient Education

Legal Issues
- Be Prepared to be Sued
- Legal Standard – Deliberate Indifference
  - A prison official cannot be found liable under the Eighth Amendment unless the official knows of and disregards an excessive risk to inmate health or safety. Thus, the inmate must show more than negligence or the misdiagnosis of an ailment.

Caveats
- Secondary Gain
- Drug Seekers
- Rapport - Assumptions about “truth”
- Safety Concerns

Ethics – beneficence, do no harm, honor confidentiality
- Informed Consent
- Right to Refuse
- Confidentiality
- Pain Control
- Right to Die
- Forced relationship – no “Divorce”
- Reason for Incarceration
- Security Apparatus “examinations”
- Restraints
- Witnessing
- Executions
- Fee for Service

The First Week
- Screening Process
- Suicide Prevention
- Avoiding Interrupting Medication Regimens
- 1st Medical Visit
- Supplies and Privileges
Process

- Screening – 5 Min
- Acute and Chronic Medical Problems
- Psychiatric Problems
- Drug/ETOH use/withdrawal
- Injuries
- Meds
- Communicable Disease
- Pregnancy
- Suicide Risk –

MHMR & Dental