Diabetes Treatment Center
Howard University Hospital

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Director, Diabetes Treatment Center
Disclosers

• Speakers Bureau
  - Sanofi-Aventis
  - Pfizer
  - Merck
Thanks

• Pallav Rawal – Pfizer Medical Liaison
• Amawha Dawit – HUH Financial analyst
• DC DOH
• Mr. Mogus – HUH MIS
• Janice Harris – RN, CDE
• Howard University Hospital – Management
• Technology Consultants
  – MOTTEP, GTG, ZaneNetworks
  – CliniPro, NoMoreClipboards
• HUH – DTC staff
Diabetes Rates by Race
Overweight/Obesity Rates
Washington, DC

![Bar chart showing overweight/obesity rates for different wards in Washington, DC. The y-axis represents the percentage range from 0% to 70%, and the x-axis lists Nationwide, District, Ward 1, Ward 2, Ward 3, Ward 4, Ward 5, Ward 6, Ward 7, Ward 8. The bars vary in height across different wards, with Ward 8 having the highest percentage.]
Chronic diseases among diabetics, nondiabetics, and all adult U.S. population, 2003
Add a diagnosis of CVD to diabetes and watch costs explode

Hypertension
- All adults: 21.5%
- Non-diabetic adults: 18.8%
- Diabetic adults: 64.4%

Overweight/obese
- All adults: 58.3%
- Non-diabetic adults: 57.7%
- Diabetic adults: 81.1%

Cardiovascular disease/stroke
- All adults: 11.3%
- Non-diabetic adults: 9.7%
- Diabetic adults: 36.7%

Leading Cause of Death in AA

1. Heart Disease
2. Cancer
3. Stroke
4. Diabetes
5. Unintentional injuries
6. Homicide
7. HIV/AIDS
8. Chronic lower respiratory disease
9. Nephritis, Nephrotic syndrome and Nephrosis
10. Septicemia

Source: Health US, 2004
Race Disparity

- Hypertension
- Diabetes
- HIV
- Trauma
Barriers to Diabetes Management

- More than 90% of diabetic patients are treated by primary care
- 15 minutes per visit leaving little time for patient education
- Health care model – provider driven
- More medications available – but no change in HgbA1c, blood pressure and cholesterol control over the past 15 years
Prevention of Acute and Chronic Diabetes Complications

• Integration of educational, environmental, physiological and financial aspects of diabetes care
• Strategies for patient empowerment
• Technology assisted care
Patient Centered Care
Diabetes Self Management Education

- Achieve self-management related behavior change that leads to improved health related outcomes
- Focus is on behavior change

Technology Assisted Care
Howard University Diabetes Treatment Center

- Diabetes Management Software
  - CliniPro™
- Web based health information
- Electronic Patient Health Records
- Telemedicine
Technology

HUH MIS Firewall

CliniPro Client

Citrix

VPN Tunneling

CCR/HL7

DTC Staff

https://

CCR/HL7

No More Clipboard ePHr

Patient User

CliniPro EHR
Community Outreach

- Screenings
- Mobile Van into the community
- Remote access electronic medical record systems
HOWARD UNIVERSITY HOSPITAL
DIABETES TREATMENT CENTER MOBILE UNIT

Diabetes Keys to Control

- Exercise
- Nutrition
- Education
- Medication
- Monitoring

Open the Door to Better Health

202-865-3350

www.huhealthcare.org/diabetes
National Data of Diabetes Control

- N=10,572
- 41% HgbA1c <7
- 28% BP 130/80 mm/hg
- 44% LDL <100 mg/dl
## DTC Outcomes
4/30/08

<table>
<thead>
<tr>
<th>Measureable outcome</th>
<th>Baseline</th>
<th>Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>BP &lt;130/80</td>
<td>42.5 %</td>
<td>48.5%</td>
</tr>
<tr>
<td>LDL &lt;100</td>
<td>44%</td>
<td>49%</td>
</tr>
<tr>
<td>HgbA1c &lt;7</td>
<td>39%</td>
<td>41%</td>
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Thank You