THE DISPARITY OF ENROLLMENT IN HIV CLINICAL TRIALS FOR BLACK WOMEN LIVING IN CHICAGO

Sponsor: 2004 Workshop on Disparities in the HIV Epidemic
Vanderbilt Meharry/CFAR

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Outline

♦ Epidemiology HIV/AIDS in Chicago
♦ Sexually Transmitted Diseases
♦ Enrollment Data
♦ Critical issues
♦ Is race based trials necessary?
Hebrew 11:1

Faith is the substance of things hope for and evidence of things not seen...

A Cure for HIV/AIDS
What We Know About the Epidemiology of HIV/AIDS
Epidemiology of HIV/AIDS in Chicago, as of September, 2004

- People Living With HIV/AIDS
  - 21,420 people have been diagnosed with AIDS
  - 17,169 people living with HIV or AIDS
  - 57% of people living with HIV/AIDS are NH Black
Epidemiology of HIV/AIDS in Chicago, as of September, 2004
2001-2003

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<thead>
<tr>
<th></th>
<th>HIV</th>
<th>AIDS</th>
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<tbody>
<tr>
<td></td>
<td>N= 3389</td>
<td>N=2927</td>
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<tr>
<td>NH B</td>
<td>59%</td>
<td>64%</td>
</tr>
<tr>
<td>HISP</td>
<td>15%</td>
<td>17%</td>
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<tr>
<td>NH O/U</td>
<td>3%</td>
<td>2%</td>
</tr>
<tr>
<td>NH W</td>
<td>26%</td>
<td>18%</td>
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HIV/AIDS for Non-Hispanic Black Women

3813 Women living with HIV/AIDS
NH Black Women account for 74% HIV/AIDS Cases
Living with HIV/AIDS
1:5.5

White Women
1

Black Women
5.5
Newly Diagnosis HIV
1:6.6

White Women
1

Black Women
6.6

Women Newly Diagnosed
2001-2003, N= 893,
NH Black Women = 77%
AIDS Trends for Women
1990-2002

# of AIDS Cases

- NH Blk
- NH Wht
- Hispanic
- Other

Years

1990 91 92 93 94 95 96 97 98 99 00 01 2002
AIDS Proportions Among Women

% of AIDS Cases

1990-2002

NH Blk
NH Wht
Hispanic
HIV Extended Mode of Transmission

NH Black Women
Chicago, 2002
N=233

% of HIV Cases:

- Het sx W HIV-AIDS: 50%
- UNK RISK: 25%
- IVDU: 22%
- Het sx W Bi: 3%
- Het sx W IDU: 4%

Modes of Transmission
Proportion of Clinical Trial Enrollment 2002-2004

Total # enrolled in two major networks in Chicago- N=1397

<table>
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<tr>
<th>White Men</th>
<th>NH Black Women</th>
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<tr>
<td>49% Enrolled in CTS</td>
<td>7%</td>
</tr>
<tr>
<td>32% Living HIV/AIDS</td>
<td>74%</td>
</tr>
<tr>
<td>16% HIV/CT percentage</td>
<td>3%</td>
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Sexually Transmitted Diseases
2001-2003

Total Blacks
• Chlamydia = 42,475 or 60%
   T = 70,560
• Gonorrhea = 28,430 or 71%
   T = 40,261
• P&S Syphilis = 420 or 45%
   T = 937

NH-Blk Women
• Chlamydia = 31,777 or 63%
   T = 50,610
• Gonorrhea = 14,727 or 75%
   T = 19,610
• P&S Syphilis = 119 or 89%
   T = 134
Other Relevant Studies

WITS- is a collaborative, multi-site, longitudinal, natural history study of U.S. women with HIV and their off-springs.

WIHS- another multi-site study of U.S. women and their impact with the use of HAART on mortality, morbidity and other HIV disease markers for infected women

AIDSvax- Vaccine trial 60% of the study’s Black volunteers were based in Chicago. 97 NH Black Women sero-status negative IVDU’s.
Critical Issues

Are those affected by HIV the most involved in vaccine and therapeutic trials?

Are there more social barriers for NH Blacks as compared to other groups? (Condom use, HIV testing, sexual partners, and economic stability)

Are NH Blacks distrustful due to past \textit{malevolence} research? (Tuskegee, Eugenics, Military, Mental Health and Psycho Surgery)

Are Blacks outcome attributed differential access and treatment?
Race-Based Research

Do we need trials that are race specific?
Can genomic research make race less significant for study trials?
Does the lack of NH Black PI’s have an impact on type of trials and number of enrollment from people of color matter?
Can HIV become the model for addressing many other health disparities that affect NH Blacks/African-Americans?
Conclusion

‘Intelligence doesn’t change behavior but consistent application over time that can move one in right direction’ (Dr. Bobby Wright)

NH Black Women are increasing in the number of newly diagnosis HIV cases as well as those living with HIV/AIDS among women.

People of color need to increase their knowledge of HIV therapy and research in-order to make informed decisions about the risks and benefits of being in a trial

More NH Black Women need to become patient advocates to increase awareness of clinical trial research
Inspiration

When Spider Webs Unite
They Can Tie Up A Lion!

HIV
Data Source


2. AIDS Clinical Trial Northwestern Unit, HIV Clinical Trial Demographic data as of September 2004.

3. AIDS Research Alliance Chicago, Clinical Trial Demographic data as of August 2004.
For more information

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