AN OVERVIEW OF PHARMACOVIGILANCE OF HIV/AIDS IN NIGERIA

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Background Information

Nigeria is a country in west Africa bordered to the East by Cameroun, the West by Benin Republic, and the North by Niger Republic.

Population: Over 140 million
Total Area: approx. 924,000 Sq/Km
Land Area: 910,768 Sq/Km
Water: 13,000 Sq/Km
Geo-Political Zone: Six (6)
NO. of States: 36
Capital: Abuja
Official Language: English
Health Care System: Primary, Secondary & Tertiary
HIV/AIDS Epidemic level and trend in Nigeria


Prevalence Rate (%)
Number of ART sites 2002-2009

Number of Art sites 2002-2009

No. of ART sites 2002-2009

years
2002
2003
2004
2005
2006
2007
2008
2009
HIV Estimates by end of 2008

- No of PLWH-2.95 million (Male-1.23, Female-1.72 million)

- Cumulative AIDS Death- 2.99million (Male-1.38, Female-1.61)

- Annual AIDS Death-280,000 (Male-123,000, Female-157,000)

- No. of Patients on ART 345,096 Adult 328,653 Childr 16,433

- No requiring ART- 833,000 (Adult-740,000, Children-92,000)

- New infection- 380,000 (Adult-323,000, Children-57,000)

- Total AIDS orphans - 2.23million

- No. of ART Centres established 423
# Classes of ARVs currently in use

<table>
<thead>
<tr>
<th>Nucleoside Reverse Transcriptase Inhibitors (NRTI’s)</th>
<th>Non-nucleoside Reverse Transcriptase Inhibitors (NNTRI’s)</th>
<th>Protease Inhibitors (PI’s)</th>
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</thead>
<tbody>
<tr>
<td>Zidovudine (AZT)</td>
<td>Nevirapine (NVP)</td>
<td>Ritonavir (R)</td>
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<tr>
<td>Lamivudine (3TC)</td>
<td>Efavirenz (EFV)</td>
<td>Indinavir (IDV)</td>
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<tr>
<td>Didanosine (ddl)</td>
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<td>Saquinavir (SQV)</td>
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<td>Zalcitabine (ddC)</td>
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<td>Nelfinavir (NFV)</td>
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<td>Stavudine (d4T)</td>
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<td>Lopinavir (LPV)</td>
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<tr>
<td>Abacavir (ABC)</td>
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<td>Amprenavir</td>
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<tr>
<td>Tenofovir</td>
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<td>Emtricitabine (FTC)</td>
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Selection of Regimen in HIV/AIDS Programme

- **Preferred 1\textsuperscript{st} Line regimen:**
  
  ZDV or TDF + 3TC or FTC + EFV or NVP

- **Other 1\textsuperscript{st} Line option:**
  
  ABC or d4T + 3TC or FTC + EFV or NVP

- **Preferred 2\textsuperscript{nd} Line regimen:**
  
  TDF + 3TC + ZDV + Lpv/r

- **Recommended 2\textsuperscript{nd} line regimen:**
  
  AZT or d4T + 3TC or FTC + NVP or EFV
<table>
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<tr>
<th>Number of ADR reports due to ARVs in NPC database</th>
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<td>% of ADR reports due to ARVs</td>
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OUR SUCCESSES

- Deeper awareness and precaution on HIV/AIDS through sustained enlightenment campaign
- Improved collaboration with HIV/AIDS Treatment centres in public health programmes & NGOs
- Feedback mechanism through newsletter etc
CHALLENGES

- Under detection and reporting of ADRs due to ARVs
- Inadequate political will & support from health institutional heads for staff to report.
- Failure of sponsors of Int’l public health programmes to forward reports to NPC.
- Funding
OUR FUTURE PLANS

- Online access to forms & reporting of ADRs.
- Looking forward to undertake active surveillance studies (CEM) on ARVs in Nigeria.
THANK YOU FOR LISTENING

PHARMACOVIGILANCE

Remember! Your five minutes spent filling an ADR report form can save many lives!

Filling an ADVERSE DRUG REACTION (ADR) Report form

✓ Guarantees Patient Safety
✓ Improves quality of Care Offered to Patients
✓ Enhances Patient Confidence in Practitioners
✓ Contributes to Global Knowledge on Drug Safety issues

Prepared for: Federal Ministry of Health
Prepared by: National Agency for Food and Drug Administration and Control (NAFDAC)

Forms can also be downloaded from http://www.nafdac.org.ng/pharmacovigilance.htm

... safeguarding the health of the nation