Supplementary Online Content


eFigure. Flow Chart of Calculations for Estimating the Proportions of AIDS-Defining Cancers in the US Occurring in Persons With AIDS


This supplementary material has been provided by the authors to give readers additional information about their work.
Step 1. Calculation of cancer incidence rates in people with and without AIDS

- HIV/AIDS Cancer Match Study
  - ADCs from cancer registries (KS, DLBCL, BL, CNS lymphoma and cervical cancer)
    - Linked to AIDS case (KS: 31,213; DLBCL: 9,134; BL: 1,310; CNS lymphoma: 3,525; cervical cancer: 888)
    - Not linked to AIDS case (KS: 11,361; DLBCL: 110,754; BL: 4,357; CNS lymphoma: 6,950; cervical cancer: 19,377)
    - Sensitivity correction
      - Corrected cases with AIDS
      - Corrected cases without AIDS
      - Incidence rate in people with AIDS
      - Incidence rate in people without AIDS

Step 2. Calculation of national estimates of ADCs in people with and without AIDS

- CDC AIDS Data
  - Stratified by age group, gender, calendar year and race, and risk group

- U.S. Census Data
  - Stratified by age group, gender, calendar year and race

- U.S. ADC cases in people with AIDS
- U.S. ADC cases in people without AIDS
- U.S. person-years with AIDS
- U.S. person-years without AIDS
- Incidence rate in people with AIDS
- Incidence rate in people without AIDS

© 2011 American Medical Association. All rights reserved.
eTable. Proportion of US cancer cases with AIDS (1980-2007), using different corrections for sensitivity

<table>
<thead>
<tr>
<th></th>
<th>Proportion with AIDS</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Sensitivity=100%</td>
<td>Sensitivity=70%</td>
<td></td>
</tr>
<tr>
<td>Kaposi sarcoma</td>
<td>63.3%</td>
<td>84.0%</td>
<td></td>
</tr>
<tr>
<td>Diffuse large B cell lymphoma</td>
<td>4.8%</td>
<td>6.9%</td>
<td></td>
</tr>
<tr>
<td>Burkitt lymphoma</td>
<td>16.1%</td>
<td>23.0%</td>
<td></td>
</tr>
<tr>
<td>Central nervous system lymphoma</td>
<td>21.8%</td>
<td>29.5%</td>
<td></td>
</tr>
<tr>
<td>Cervical cancer</td>
<td>0.34%</td>
<td>0.49%</td>
<td></td>
</tr>
</tbody>
</table>