

PRELIMINARY FINDINGS ON CANCER INCIDENCE IN HIV-INFECTED PERSONS FROM SIX COUNTRIES IN CENTRAL AND SOUTH AMERICA AND THE CARIBBEAN

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BACKGROUND

The Caribbean, Central and South America network (CCASAnet) is one of seven regions funded by the International Epidemiologic Databases to Evaluate AIDS (IeDEA) program sponsored by the National Institute of Allergy & Infectious Diseases and National Cancer Institute[1]. CCASAnet performs analyses using HIV epidemiology data from clinical care sites in Argentina, Brazil, Chile, Haiti, Honduras, Mexico and Peru. In August of 2007, with a funding supplement provided by NCI, six participating sites in the network began a project to determine the incidence, treatment and outcomes of cancer occurring in HIV-infected individuals in the region.

METHODS

A total of approximately 13000 HIV+ individuals followed at the participating sites formed the study cohort. Chart reviews began in the Fall of 2007 and are continuing at present. A standardized cancer case abstract form was developed by the Vanderbilt data coordination center and its utility was validated by Fundación Huésped in Buenos Aires. English and Spanish language versions of the case report form and instructions for its use were created, along with a secure online web interface for capturing data in computerized format.

PRELIMINARY RESULTS\*

Site - Country	FH - Argentina	UFRJ - Brazil	FA - Chile	GHESKIO -Haiti	IHSS - Honduras
Total no. of adult patients	2000	2800	2400	4000	1000
No. of adult patients reviewed to date for cancer diagnoses	1200	620	2400	450	946
Cancer Cases Identified as of May, 2008	107	36	125	27	51
Current cancer incidence estimate in HIV cohort	8.9%	5.8%	5.2%	6%	5.4%
Method of diagnosis (Clinical/Histopathological)	Histopathological 90% Clinical 10%	Histopathological 100%	Histopathological 100%	Histopathological 40% Clinical 60%	Histopathological 80% Clinical 20%
Cancer types found to date	71 KS 22 NHL 2 HL 1 breast 1 cervix	TBD	70 KS 28 NHL 6 HL 13 solid tumors: 3 anorectal, 4 in situ cervical neoplasias (CIN), 1 non KS sarcoma, 1 basal cell Ca 3 testicle, 1 prostate, 1 colon	9 KS 5 Cervical Cancer 2 Lymphoma 2 Hodgkin 1 Ovarian 2 Breast 1 Colon 2 Oro-pharyngeal 1 Right eye 1 Liver 1 Pancreas	Case reviews and confirmations in progress. To date, 5 NHL cases found (2 Burkitt, 1 small cell, 2 NHL not otherwise specified)

\*Updated incidence figures and characterization of cases will be presented at the conference.

CONCLUSION

The preliminary incidence and cancer types occurring in selected cohorts in the Caribbean, Central and South America are consistent with previously reported cancer findings in HIV infected populations.

REFERENCES

1. McGowan CC, Cahn P, Gotuzzo E, Padgett D, Pape JW, Wolff M, Schechter M, Masys DR. Cohort Profile: Caribbean, Central and South America Network for HIV research (CCASAnet) collaboration within the International Epidemiologic Databases to Evaluate AIDS (IeDEA) programme. Int J Epidemiol. 2007 Oct;36(5):969-76. Epub 2007 Sep 10.