

THE SPECTRUM OF NON-AIDS DEFINING MALIGNANCIES: 431 CASES

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BACKGROUND

The incidence of non-AIDS defining malignancies (NADM) has steadily risen in the post-HAART era and a spectrum of malignancies has been observed in cohorts that may reflect the etiology of malignancy in the immunosuppressed.

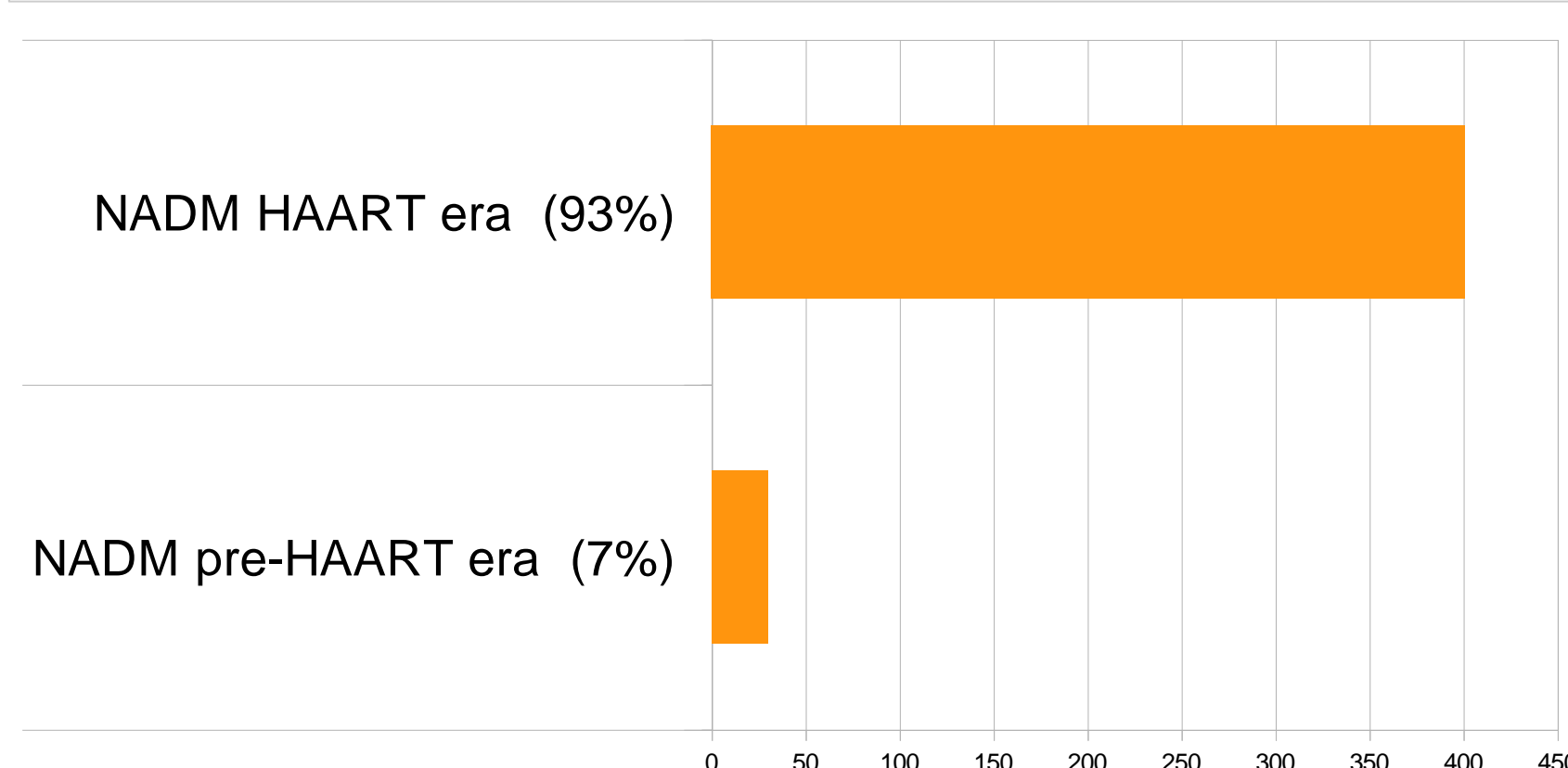
METHODS

We have prospectively collected clinical data including non-AIDS defining malignancy in a prospective database for our cohort of patients since 1986

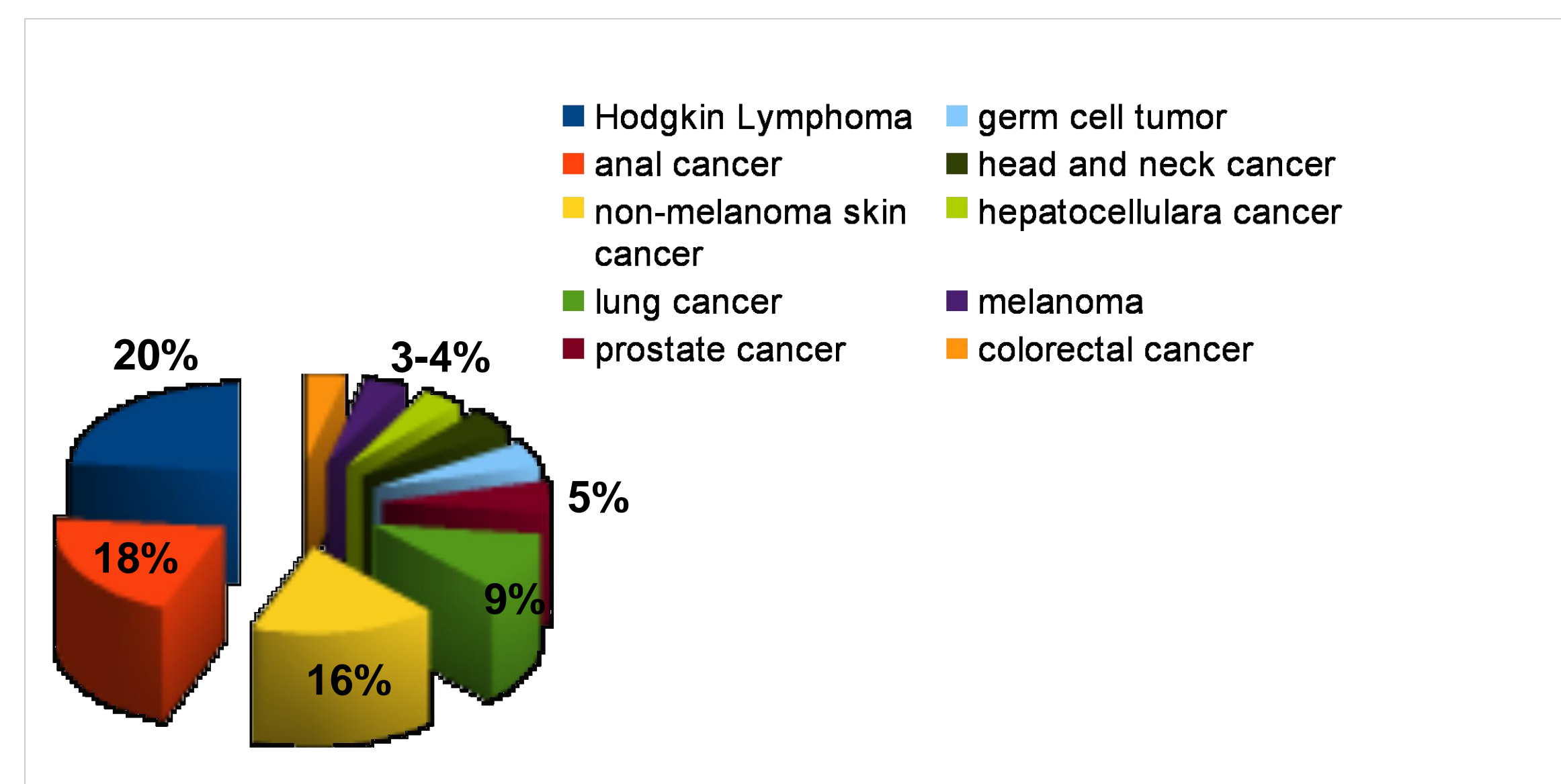
Population features:	
Total number of patients with NADM since 1986	431
Sex (%): M - F	94% - 6%
Mean age at NADM dx	48ys

RESULTS

We identified 431 patients since 1986. Only 30 (7%) were diagnosed in the pre-HAART era (before 1996).

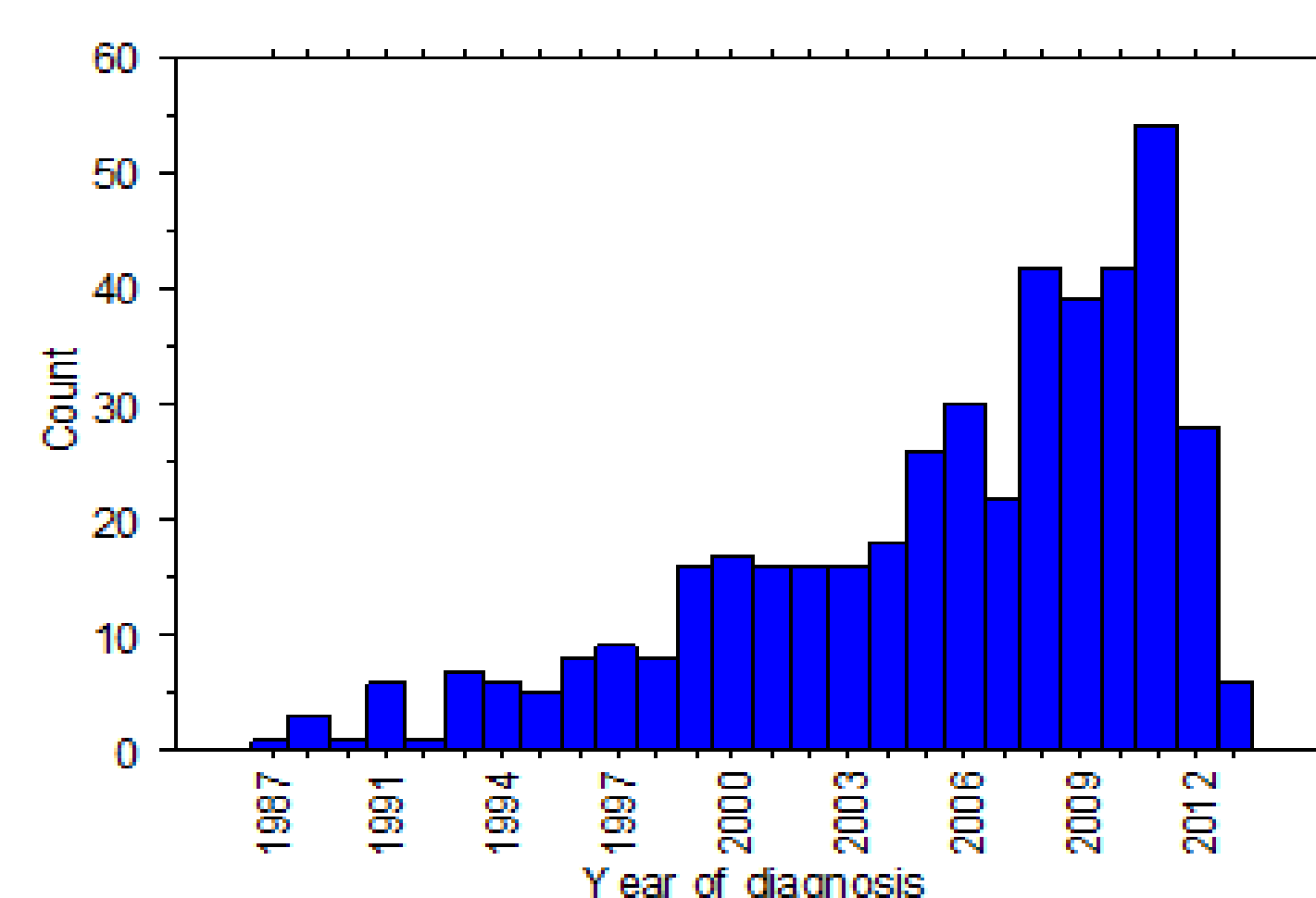


Spectrum of different types of NADM: the most common are Hodgkin Lymphoma, anal cancer and non-melanoma skin cancer.

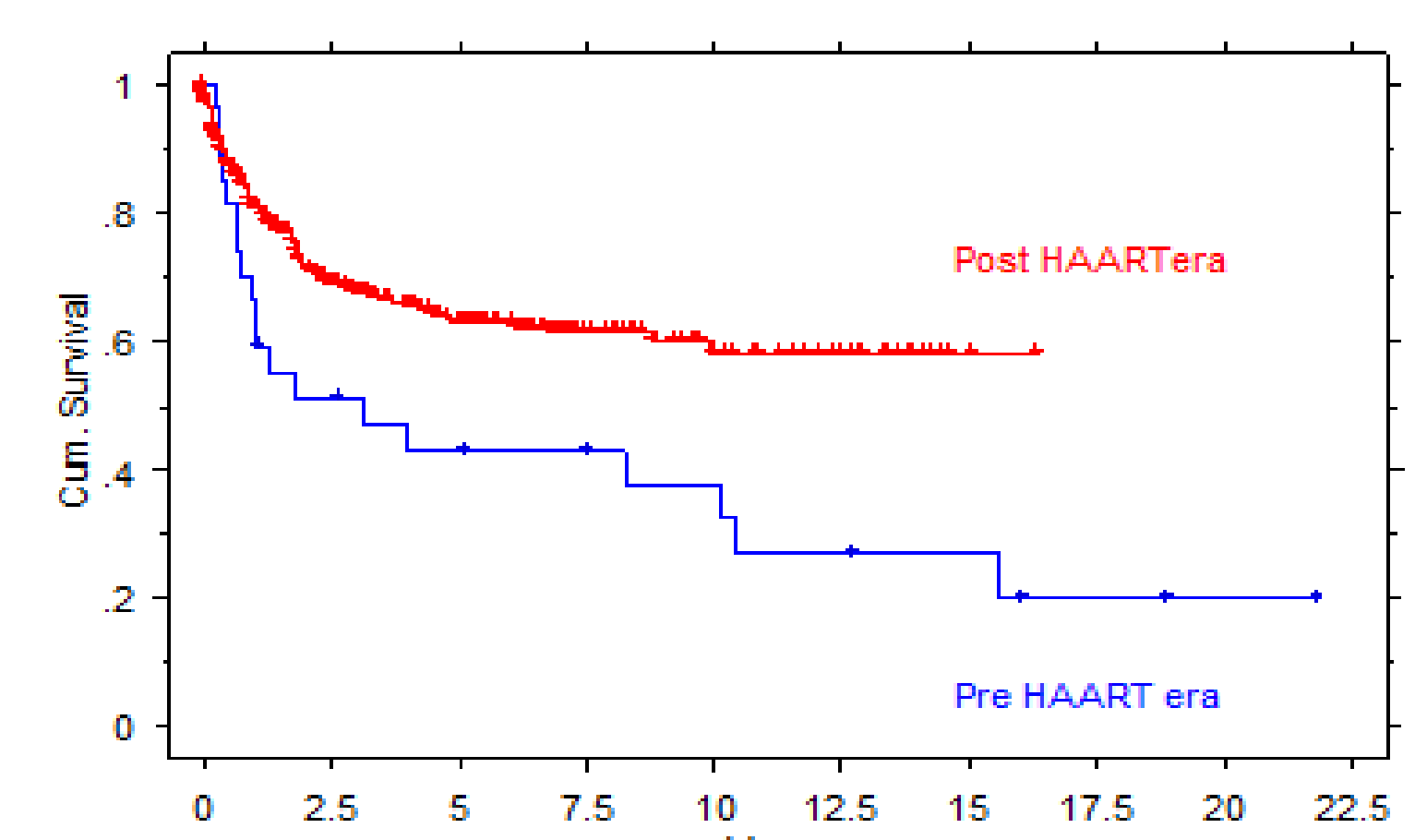


Features of the 10 most common NADM								
	n	M (%)	F (%)	Prior AIDS dx (%)	On HAART at dx (%)	On HAART & undetectable HIVRNA	CD4/mm ³ Median-range	Age mean
Hodgkin Lymphoma	81	93%	7%	16%	76%	80%	219 (4-1160)	43y
Anal SCC	77	99%	1%	47%	76%	78%	339 (16-1252)	47y
Non-melanoma skin cancer	67	100%	0%	42%	76%	81%	347 (1-1402)	55y
Lung cancer	41	90%	10%	60%	80%	73%	346 (19-1256)	52y
Prostate cancer	22	100%	NA	30%	95%	95%	521 (143-855)	65y
Germ cell tumor	18	100%	0%	28%	56%	100%	389 (141-2977)	36y
Head and Neck cancer	17	88%	12%	47%	65%	9%	370 (101-728)	52y
Hepatocellular cancer	15	100%	0%	36%	93%	92%	295 (72-790)	48y
Melanoma	15	100%	0%	21%	71%	90%	493 (168-606)	49y
Colorectal cancer	14	100%	0%	50%	86%	100%	371 (20-1620)	58y
NADM total	431	94%	6%	37%	75%	86%	379 (1-2977)	48y

The number of cases per year has risen steadily to a peak of 52 cases in 2011.



The 5 year OS is higher in the HAART era compared to the pre HAART era (65 & 43%, log rank p=0.004)



CONCLUSIONS

-The increasing burden of NADM has been well documented and we confirm this in our sizeable cohort

-Of 431 NADMs 61% may be attributed to oncogenic infections

-As with the AIDS defining cancers, the survival of NADM has improved in the post HAART era