

Supplemental Digital Content 1. Incident cancers diagnosed in the MACS and WIHS					
Cancer type	MACS		WIHS		Total N
	1984-2000	2001-2018	1984-2000	2001-2018	
	N (%)	N (%)	N (%)	N (%)	
Acute myeloid leukemia	1 (0.11)	1 (0.25)	1 (1.52)	2 (0.62)	5
Anal	11 (1.26)	28 (7.02)	0 (0.00)	13 (4.00)	52
Biliary	1 (0.11)	1 (0.25)	1 (1.52)	4 (1.23)	7
Bones/Joints	1 (0.11)	2 (0.50)	0 (0.00)	0 (0.00)	3
Brain	3 (0.34)	3 (0.75)	2 (3.03)	2 (0.62)	10
Breast	0 (0.00)	0 (0.00)	5 (7.58)	66 (20.31)	71
Cervix	0 (0.00)	0 (0.00)	1 (1.52)	9 (2.77)	10
Colon/Rectum	6 (0.68)	26 (6.52)	1 (1.52)	19 (5.85)	52
Esophagus	0 (0.00)	5 (1.25)	0 (0.00)	4 (1.23)	9
Gum and mouth	2 (0.23)	1 (0.25)	0 (0.00)	1 (0.31)	4
Hodgkin's lymphoma	10 (1.14)	7 (1.75)	1 (1.52)	6 (1.85)	24
Kaposi's sarcoma	533 (60.84)	30 (7.52)	5 (7.58)	4 (1.23)	572
Larynx	2 (0.23)	2 (0.50)	2 (3.03)	7 (2.15)	13
Lip	0 (0.00)	0 (0.00)	0 (0.00)	1 (0.31)	1
Liver	6 (0.68)	14 (3.51)	2 (3.03)	17 (5.23)	39
Lower urinary tract	5 (0.57)	15 (3.76)	1 (1.52)	6 (1.85)	27
Lung/Bronchus	14 (1.60)	32 (8.02)	12 (18.18)	59 (18.15)	117
Melanoma	14 (1.60)	31 (7.77)	1 (1.52)	3 (0.92)	49
Mesothelioma	0 (0.00)	0 (0.00)	0 (0.00)	1 (0.31)	1
Miscellaneous	10 (1.14)	18 (4.51)	1 (1.52)	11 (3.38)	40
Myeloma	4 (0.46)	6 (1.50)	2 (3.03)	4 (1.23)	16
Non-Hodgkin lymphoma	203 (23.17)	44 (11.03)	20 (30.30)	31 (9.54)	298
Nose and middle ear	1 (0.11)	2 (0.50)	0 (0.00)	0 (0.00)	3
Other CNS	0 (0.00)	0 (0.00)	0 (0.00)	1 (0.31)	1
Other digestive system	0 (0.00)	0 (0.00)	0 (0.00)	2 (0.62)	2
Other endocrine	0 (0.00)	0 (0.00)	0 (0.00)	1 (0.31)	1
Other leukemias	4 (0.46)	4 (1.00)	1 (1.52)	0 (0.00)	9
Other non-epithelial skin	0 (0.00)	5 (1.25)	0 (0.00)	1 (0.31)	6
Ovary	0 (0.00)	0 (0.00)	1 (1.52)	1 (0.31)	2
Pancreas	3 (0.34)	10 (2.51)	0 (0.00)	11 (3.38)	24
Penis	0 (0.00)	1 (0.25)	0 (0.00)	0 (0.00)	1
Pharyngeal	4 (0.46)	2 (0.50)	0 (0.00)	4 (1.23)	10
Prostate	17 (1.94)	87 (21.80)	0 (0.00)	0 (0.00)	104
Retroperitoneum	0 (0.00)	1 (0.25)	0 (0.00)	0 (0.00)	1
Salivary gland	0 (0.00)	1 (0.25)	0 (0.00)	0 (0.00)	1
Small intestine	1 (0.11)	0 (0.00)	0 (0.00)	2 (0.62)	3
Soft tissue	1 (0.11)	2 (0.50)	1 (1.52)	4 (1.23)	8
Stomach	1 (0.11)	4 (1.00)	0 (0.00)	1 (0.31)	6
Testes	10 (1.14)	0 (0.00)	0 (0.00)	0 (0.00)	10
Thyroid	5 (0.57)	4 (1.00)	1 (1.52)	3 (0.92)	13

Tongue	2 (0.23)	8 (2.01)	0 (0.00)	3 (0.92)	13
Tonsil	1 (0.11)	2 (0.50)	1 (1.52)	1 (0.31)	5
Uterus	0 (0.00)	0 (0.00)	1 (1.52)	11 (3.38)	12
Vagina/Vulva	0 (0.00)	0 (0.00)	2 (3.03)	9 (2.77)	11
Smoking-related cancer total	60 (6.85)	154 (38.60)	23 (34.85)	169 (52.00)	406
Total	876	399	66	325	1666

Bold indicates smoking-related cancers.

MACS = Multicenter AIDS Cohort Study; WIHS = Women's Interagency HIV Study.

Incident cancer counts include participants diagnosed with more than one cancer.