

Table 3.9
Verified Primary and Other Cancers (Annualized Percentages) by Race/Ethnicity for CT and OS Participants
 Data as of: February 19, 2022; Events through February 19, 2022

	Race/Ethnicity													
	American Indian/ Alaska Native		Asian or Native Hawaiian/ Other Pacific Islander ¹		Hispanic/ Latina		Non-Hispanic Black/African American		Non-Hispanic White		More than one Race		Other/ Not Reported	
Number of participants	487		4084		7312		14167		133328		1669		761	
Mean follow-up (months)	157.9		178.7		170.0		172.8		209.6		213.1		145.0	
Overall cancer	82	(1.28%)	628	(1.03%)	969	(0.94%)	2352	(1.15%)	32297	(1.39%)	315	(1.06%)	135	(1.47%)
Primary cancer														
Breast cancer	26	(0.41%)	283	(0.47%)	400	(0.39%)	943	(0.46%)	12360	(0.53%)	126	(0.43%)	43	(0.47%)
Invasive breast cancer	23	(0.36%)	226	(0.37%)	325	(0.31%)	760	(0.37%)	10418	(0.45%)	109	(0.37%)	36	(0.39%)
In situ breast cancer	4	(0.06%)	61	(0.10%)	82	(0.08%)	209	(0.10%)	2156	(0.09%)	19	(0.06%)	8	(0.09%)
Ovarian cancer	5	(0.08%)	17	(0.03%)	40	(0.04%)	76	(0.04%)	1214	(0.05%)	10	(0.03%)	10	(0.11%)
Endometrial cancer ²	3	(0.09%)	26	(0.06%)	45	(0.08%)	93	(0.10%)	1744	(0.12%)	11	(0.07%)	4	(0.07%)
Colorectal cancer	9	(0.14%)	62	(0.10%)	104	(0.10%)	303	(0.15%)	3081	(0.13%)	33	(0.11%)	13	(0.14%)
Other cancer														
Accessory sinus	0	(0.00%)	0	(0.00%)	0	(0.00%)	1	(<0.01%)	15	(<0.01%)	0	(0.00%)	0	(0.00%)
Adrenal gland	0	(0.00%)	0	(0.00%)	1	(<0.01%)	2	(<0.01%)	15	(<0.01%)	0	(0.00%)	0	(0.00%)
Anus	0	(0.00%)	2	(<0.01%)	6	(0.01%)	11	(0.01%)	123	(0.01%)	0	(0.00%)	0	(0.00%)
Appendix	0	(0.00%)	0	(0.00%)	3	(<0.01%)	4	(<0.01%)	44	(<0.01%)	0	(0.00%)	1	(0.01%)
Base of Tongue	0	(0.00%)	0	(0.00%)	2	(<0.01%)	0	(0.00%)	35	(<0.01%)	0	(0.00%)	1	(0.01%)
Biliary tract, parts of (other/unspecified)	1	(0.02%)	2	(<0.01%)	15	(0.01%)	15	(0.01%)	177	(0.01%)	2	(0.01%)	1	(0.01%)
Bladder	1	(0.02%)	11	(0.02%)	19	(0.02%)	66	(0.03%)	1036	(0.04%)	12	(0.04%)	1	(0.01%)
Bones/joints/articular cartilage (limbs)	1	(0.02%)	1	(<0.01%)	0	(0.00%)	0	(0.00%)	12	(<0.01%)	0	(0.00%)	0	(0.00%)
Bones/joints/articular cartilage (other)	0	(0.00%)	0	(0.00%)	1	(<0.01%)	1	(<0.01%)	28	(<0.01%)	1	(<0.01%)	1	(0.01%)
Brain	1	(0.02%)	5	(0.01%)	7	(0.01%)	14	(0.01%)	391	(0.02%)	0	(0.00%)	1	(0.01%)
Cervix	0	(0.00%)	2	(<0.01%)	6	(0.01%)	20	(0.01%)	109	(<0.01%)	1	(<0.01%)	0	(0.00%)
Central Nervous System (excludes brain)	0	(0.00%)	0	(0.00%)	0	(0.00%)	0	(0.00%)	5	(<0.01%)	0	(0.00%)	0	(0.00%)
Connective/subcutaneous/soft tissues	0	(0.00%)	4	(0.01%)	5	(<0.01%)	9	(<0.01%)	192	(0.01%)	3	(0.01%)	1	(0.01%)
Endocrine glands, related structures	0	(0.00%)	0	(0.00%)	0	(0.00%)	0	(0.00%)	5	(<0.01%)	0	(0.00%)	0	(0.00%)
Esophagus	1	(0.02%)	1	(<0.01%)	3	(<0.01%)	10	(<0.01%)	187	(0.01%)	3	(0.01%)	1	(0.01%)
Eye and adnexa	0	(0.00%)	0	(0.00%)	4	(<0.01%)	0	(0.00%)	77	(<0.01%)	2	(0.01%)	0	(0.00%)
Floor of mouth	0	(0.00%)	1	(<0.01%)	1	(<0.01%)	2	(<0.01%)	15	(<0.01%)	0	(0.00%)	1	(0.01%)
Gallbladder	0	(0.00%)	1	(<0.01%)	9	(0.01%)	11	(0.01%)	134	(0.01%)	1	(<0.01%)	0	(0.00%)

¹ Native Hawaiian/Other Pacific Islander CT and OS participants (n=119) are combined with Asian CT and OS participants for reporting purposes due to small numbers.

² Only women without a baseline hysterectomy are used to compute the annual rates of endometrial and uterine cancer.

Table 3.9 (continued)
Verified Primary and Other Cancers (Annualized Percentages) by Race/Ethnicity: CT and OS Participants

Data as of: February 19, 2022; Events through February 19, 2022

	Race/Ethnicity						
	American Indian/Alaska Native	Asian or Native Hawaiian/Other Pacific Islander ¹	Hispanic /Latina	Non-Hispanic Black/African American	Non-Hispanic White	More than one Race	Other/ Not Reported
Number of participants	487	4084	7312	14167	133328	1669	761
Mean follow-up (months)	157.9	178.7	170.0	172.8	209.6	213.1	145.0
Genital organs ²	0 (0.00%)	3 (<0.01%)	5 (<0.01%)	5 (<0.01%)	166 (0.01%)	0 (0.00%)	1 (0.01%)
Gum	0 (0.00%)	1 (<0.01%)	2 (<0.01%)	2 (<0.01%)	47 (<0.01%)	0 (0.00%)	0 (0.00%)
Heart	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	42 (<0.01%)	0 (0.00%)	0 (0.00%)
Kidney	7 (0.11%)	14 (0.02%)	24 (0.02%)	65 (0.03%)	703 (0.03%)	8 (0.03%)	4 (0.04%)
Larynx	0 (0.00%)	0 (0.00%)	0 (0.00%)	6 (<0.01%)	50 (<0.01%)	0 (0.00%)	0 (0.00%)
Leukemia	2 (0.03%)	17 (0.03%)	28 (0.03%)	68 (0.03%)	1143 (0.05%)	13 (0.04%)	6 (0.07%)
Liver	3 (0.05%)	17 (0.03%)	21 (0.02%)	30 (0.01%)	299 (0.01%)	3 (0.01%)	3 (0.03%)
Lung	12 (0.19%)	63 (0.10%)	90 (0.09%)	307 (0.15%)	4004 (0.17%)	38 (0.13%)	21 (0.23%)
Lymph nodes	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	3 (<0.01%)	0 (0.00%)	0 (0.00%)
Lymphoma, Hodgkins	0 (0.00%)	1 (<0.01%)	8 (0.01%)	4 (<0.01%)	69 (<0.01%)	1 (<0.01%)	1 (0.01%)
Lymphoma, non-Hodgkins	1 (0.02%)	39 (0.06%)	64 (0.06%)	72 (0.04%)	1805 (0.08%)	8 (0.03%)	8 (0.09%)
Melanoma of the skin	2 (0.03%)	7 (0.01%)	24 (0.02%)	9 (<0.01%)	2791 (0.12%)	18 (0.06%)	4 (0.04%)
Meninges	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	8 (<0.01%)	0 (0.00%)	0 (0.00%)
Multiple myeloma	3 (0.05%)	3 (<0.01%)	26 (0.03%)	87 (0.04%)	571 (0.02%)	8 (0.03%)	3 (0.03%)
Mycosis fungoides	0 (0.00%)	0 (0.00%)	0 (0.00%)	4 (<0.01%)	26 (<0.01%)	0 (0.00%)	0 (0.00%)
Nasal cavity mid ear	0 (0.00%)	0 (0.00%)	1 (<0.01%)	0 (0.00%)	21 (<0.01%)	0 (0.00%)	0 (0.00%)
Oral (mouth)	0 (0.00%)	0 (0.00%)	2 (<0.01%)	2 (<0.01%)	42 (<0.01%)	0 (0.00%)	0 (0.00%)
Other digestive cancer	0 (0.00%)	0 (0.00%)	1 (<0.01%)	4 (<0.01%)	61 (<0.01%)	0 (0.00%)	1 (0.01%)
Other lip	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (<0.01%)	16 (<0.01%)	0 (0.00%)	0 (0.00%)
Palate	0 (0.00%)	1 (<0.01%)	0 (0.00%)	0 (0.00%)	35 (<0.01%)	0 (0.00%)	0 (0.00%)
Pancreas	1 (0.02%)	41 (0.07%)	38 (0.04%)	121 (0.06%)	1221 (0.05%)	17 (0.06%)	6 (0.07%)
Parotid gland (Stensen's duct)	0 (0.00%)	2 (<0.01%)	1 (<0.01%)	8 (<0.01%)	61 (<0.01%)	0 (0.00%)	0 (0.00%)
Peripheral nerves and autonomic nervous system	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (<0.01%)	0 (0.00%)	0 (0.00%)
Peritoneum	1 (0.02%)	3 (<0.01%)	8 (0.01%)	14 (0.01%)	213 (0.01%)	2 (0.01%)	1 (0.01%)

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² Vaginal and vulvar cancers were included with genital organ cancers in prior reports. As of 2022, these cancers are now shown separately.

Table 3.9 (continued)
Verified Primary and Other Cancers (Annualized Percentages) by Race/Ethnicity: CT and OS Participants

Data as of: February 19, 2022; Events through February 19, 2022

	Race/Ethnicity							Other/ Not Reported
	American Indian/ Alaska Native	Asian or Native Hawaiian/ Other Pacific Islander ¹	Hispanic/ Latina	Non-Hispanic Black/African American	Non-Hispanic White	More than one Race		
Number of participants	487	4084	7312	14167	133328	1669	761	
Mean follow-up (months)	157.9	178.7	170.0	172.8	209.6	213.1	145.0	
Pharynx	0 (0.00%)	0 (0.00%)	0 (0.00%)	3 (<0.01%)	29 (<0.01%)	0 (0.00%)	0 (0.00%)	
Pyriiform sinus	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (<0.01%)	0 (0.00%)	0 (0.00%)	
Renal Pelvis	0 (0.00%)	2 (<0.01%)	2 (<0.01%)	10 (<0.01%)	130 (0.01%)	1 (<0.01%)	1 (0.01%)	
Respiratory system, intrathoracic, other	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	3 (<0.01%)	0 (0.00%)	0 (0.00%)	
Salivary glands, major (other/unspecified)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	19 (<0.01%)	0 (0.00%)	0 (0.00%)	
Small intestine	0 (0.00%)	3 (<0.01%)	5 (<0.01%)	14 (0.01%)	152 (0.01%)	2 (0.01%)	0 (0.00%)	
Stomach	0 (0.00%)	16 (0.03%)	12 (0.01%)	47 (0.02%)	251 (0.01%)	7 (0.02%)	2 (0.02%)	
Thymus	0 (0.00%)	1 (<0.01%)	0 (0.00%)	0 (0.00%)	13 (<0.01%)	1 (<0.01%)	0 (0.00%)	
Thyroid	0 (0.00%)	8 (0.01%)	15 (0.01%)	38 (0.02%)	465 (0.02%)	3 (0.01%)	0 (0.00%)	
Tongue, part of (other/unspecified)	0 (0.00%)	2 (<0.01%)	0 (0.00%)	2 (<0.01%)	87 (<0.01%)	2 (0.01%)	1 (0.01%)	
Tonsil	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (<0.01%)	23 (<0.01%)	1 (<0.01%)	0 (0.00%)	
Trachea	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (<0.01%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	
Ureter	1 (0.02%)	3 (<0.01%)	2 (<0.01%)	1 (<0.01%)	82 (<0.01%)	2 (0.01%)	0 (0.00%)	
Urinary organs (other/unspecified)	1 (0.02%)	2 (<0.01%)	2 (<0.01%)	4 (<0.01%)	30 (<0.01%)	1 (<0.01%)	0 (0.00%)	
Uterus, not otherwise specified ²	1 (0.03%)	4 (0.01%)	5 (0.01%)	17 (0.02%)	123 (0.01%)	1 (0.01%)	0 (0.00%)	
Vagina ³	1 (0.02%)	1 (<0.01%)	1 (<0.01%)	2 (<0.01%)	46 (<0.01%)	1 (<0.01%)	0 (0.00%)	
Vulva ³	0 (0.00%)	2 (<0.01%)	13 (0.01%)	10 (<0.01%)	166 (0.01%)	2 (0.01%)	0 (0.00%)	
Other/unknown site of cancer	3 (0.05%)	11 (0.02%)	16 (0.02%)	39 (0.02%)	519 (0.02%)	2 (0.01%)	5 (0.05%)	
Other/unknown cancers reported on death form	5 (0.08%)	9 (0.01%)	13 (0.01%)	39 (0.02%)	453 (0.02%)	1 (<0.01%)	3 (0.03%)	

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