

TABLE 11
Site-Specific Gender-Averaged Excess Relative Risk and Excess Absolute Rate Estimates at Attained Age 70
after Exposure at Ages 10, 30 and 50 Years

Site	Attributable fraction (%) ^a	Excess relative risk ^b			Excess absolute rate ^c		
		Age at exposure					
		10	30	50	10	30	50
All solid	10.7	0.67 (0.52; 0.85)	0.47 (0.40; 0.54)	0.32 (0.24; 0.42)	90 (68; 113)	52 (43; 60)	30 (22; 39)
Oral cavity	11.4		0.39 (0.11; 0.76)			0.56 (0.20; 1.2)	
Esophagus	10.2		0.52 (0.15; 1.0)			0.58 (0.18; 1.1)	
Stomach	7.2	0.44 (0.20; 0.83)	0.34 (0.22; 0.47)	0.25 (0.12; 0.44)	9.9 (4.5; 18)	9.5 (6.1; 14)	9.2 (4.2; 16)
Colon	11.4	0.52 (0.21; 1.2)	0.54 (0.30; 0.81)	0.55 (0.15; 1.2)	41 (17; 91)	8.0 (4.4; 12)	1.6 (0.3; 3.9)
Rectum	3.7		0.19 (-0.04; 0.47)			0.56 (-0.13; 1.4)	
Liver	8.1	0.28 (0.06; 0.78)	0.30 (0.11; 0.55)	0.32 (0.07; 0.85)	6.8 (0.0; 22)	4.3 (0.0; 7.2)	2.6 (0.5; 6.4)
Gallbladder	-1.0		-0.05 (<-0.3; 0.3)			-0.01 (<-0.1; 0.51)	
Pancreas	4.8		0.26 (<-0.07; 0.68)			0.46 (-0.13; 1.5)	
Lung	14.7	0.56 (0.26; 1.1)	0.81 (0.56; 1.1)	1.15 (0.69; 1.8)	7.3 (3.4; 14)	7.5 (5.1; 10)	7.8 (4.6; 12)
Non-melanoma skin	23.2	2.28 (0.04; 7.8)	0.17 (0.003; 0.55)	0.01 (0.00; 0.08)	2.3 (0.2; 7)	0.35 (0.03; 1.1)	0.05 (0.00; 0.29)
Female breast	27.1	0.86 (0.47; 1.5)	0.87 (0.55; 1.3)	0.87 (0.44; 1.5)	23 (15; 34)	9.2 (6.8; 12)	3.7 (2.1; 5.9)
Uterus	1.9		0.10 (-0.09; 0.33)			0.56 (<0; 1.9)	
Ovary	10.3		0.61 (0.00; 1.5)			0.56 (0.02; 1.3)	
Prostate	2.2		0.11 (-0.10; 0.54)			0.34 (-0.64; 1.6)	
Renal cell	2.7		0.13 (-0.25; 0.75)			0.08 (-0.16; 0.44)	
Bladder	16.4	1.32 (0.28; 4.1)	1.23 (0.59; 2.1)	1.15 (0.34; 2.5)	4.8 (0.7; 16)	3.2 (1.1; 5.4)	2.1 (0.5; 4.5)
Brain, CNS	13.0		0.62 (0.21; 1.2)			0.51 (0.17; 0.95)	
Thyroid	24.5	1.21 (0.43; 2.9)	0.57 (0.24; 1.1)	0.27 (0.05; 0.77)	4.0 (1.7; 7.8)	1.2 (0.5; 2.2)	0.4 (0.0; 1.3)
Other solid	16.4	1.65 (0.69; 3.5)	0.91 (0.50; 1.4)	0.51 (0.14; 1.1)	7.7 (3.3; 16)	5.0 (2.7; 7.7)	3.3 (1.1; 6.5)

^a Estimated percentage of cases among those exposed to at least 0.005 Gy that are associated with atomic bomb radiation exposure.

^b Estimated gender-averaged excess relative risk at 1 Gy for attained age 70 after exposure at the indicated ages. The estimates are based on the models described in the text. If no values are shown for ages 10 or 50, the final model did not include age at exposure, so the ERR is the same for all exposure ages. The values in parentheses are 90% confidence intervals.

^c Estimated gender-averaged excess absolute rate at 1 Gy for attained age 70 after exposure at the indicated ages with units of excess cases per 10,000 PY Gy. The estimates are based on the models described in the text. If no values are shown for ages 10 or 50 the final model did not include age at exposure, so the ERR is the same for all exposure ages. The values in parentheses are 90% confidence intervals.