

Table 4

Estimated number of patients under going CT that would lead to the development of one radiation-induced cancer, by type of CT examination and age at the time of exposure, based on the median and interquartile radiation dose observed

Anatomic Area	Type of CT Study	20 Year Old				40 Year Old				60 Year Old			
		Female		Male		Female		Male		Female		Male	
		Median	(25% 75%)	Median	(25% 75%)	Median	(25% 75%)	Median	(25% 75%)	Median	(25% 75%)	Median	(25% 75%)
Head and Neck	Routine Head	4360	(3290, 5110)	7350	(5540, 8620)	8100	(6110, 9500)	11080	(8350, 12990)	12250	(9230, 14360)	14680	(11070, 14680)
	Routine Neck	2390	(1640, 3540)	4020	(2770, 5970)	4430	(3050, 6580)	6058	(4170, 8990)	6700	(4620, 9940)	8030	(5530, 8030)
	Suspected Stroke	660	(460, 980)	1120	(770, 1650)	1230	(850, 1820)	1682	(1170, 2490)	1860	(1290, 2750)	2230	(1550, 2230)
Chest	Routine Chest, no contrast	390	(290, 630)	1040	(770, 1670)	720	(540, 1160)	1566	(1170, 2520)	1090	(820, 1760)	2080	(1550, 2080)
	Routine Chest, with contrast	380	(270, 650)	1020	(710, 1740)	720	(500, 1210)	1538	(1070, 2620)	1070	(750, 1830)	2040	(1420, 2040)
	Suspected Pulmonary Embolism	330	(230, 460)	880	(610, 1220)	620	(420, 850)	1333	(920, 1840)	930	(640, 1280)	1770	(1220, 1770)
	Coronary Angiogram	150	(130, 230)	390	(350, 610)	270	(250, 420)	595	(540, 920)	420	(370, 640)	790	(710, 790)
Abdomen and Pelvis	Routine Abdomen-Pelvis, no contrast	500	(380, 770)	660	(510, 1024)	930	(710, 1430)	1002	(770, 1540)	1400	(1080, 2160)	1330	(1020, 1330)
	Routine Abdomen-Pelvis, with contrast	470	(380, 700)	620	(510, 930)	870	(710, 1300)	942	(770, 1400)	1320	(1080, 1960)	1250	(1020, 1250)
	Multiphase Abdomen-Pelvis	250	(180, 370)	330	(240, 490)	460	(330, 680)	498	(360, 730)	700	(500, 1030)	660	(480, 660)
	Suspected Aneurysm or Dissection	320	(210, 390)	420	(280, 510)	590	(390, 710)	636	(420, 770)	890	(580, 1080)	840	(550, 840)