

## Probability (%) of Developing Invasive Cancer During Selected Age Intervals by Sex, US, 2018–2019, 2021



Site	Sex	Birth to 49	50 to 64	65 to 84	85 and older	Birth to death
All sites <sup>a</sup>	Male	3.4 (1 in 29)	11.3 (1 in 9)	31.3 (1 in 3)	18.7 (1 in 5)	39.9 (1 in 3)
	Female	5.9 (1 in 17)	10.8 (1 in 9)	24.2 (1 in 4)	14.1 (1 in 7)	39.0 (1 in 3)
Breast	Female	2.1 (1 in 47)	4.0 (1 in 25)	7.3 (1 in 14)	2.6 (1 in 38)	13.1 (1 in 8)
Colon & rectum	Male	0.4 (1 in 238)	1.2 (1 in 85)	2.6 (1 in 39)	1.7 (1 in 59)	4.1 (1 in 24)
	Female	0.4 (1 in 255)	0.9 (1 in 117)	2.1 (1 in 47)	1.6 (1 in 62)	3.8 (1 in 26)
Kidney & renal pelvis	Male	0.3 (1 in 390)	0.7 (1 in 146)	1.5 (1 in 68)	0.5 (1 in 183)	2.2 (1 in 45)
	Female	0.2 (1 in 599)	0.3 (1 in 289)	0.8 (1 in 129)	0.3 (1 in 313)	1.3 (1 in 75)
Leukemia	Male	0.3 (1 in 381)	0.3 (1 in 297)	1.2 (1 in 83)	0.8 (1 in 122)	1.8 (1 in 55)
	Female	0.2 (1 in 483)	0.2 (1 in 454)	0.7 (1 in 138)	0.5 (1 in 201)	1.3 (1 in 77)
Lung & bronchus	Male	0.1 (1 in 901)	1.1 (1 in 90)	4.8 (1 in 21)	2.5 (1 in 40)	5.8 (1 in 17)
	Female	0.1 (1 in 783)	1.1 (1 in 93)	4.1 (1 in 24)	1.8 (1 in 54)	5.6 (1 in 18)
Melanoma of the skin <sup>b</sup>	Male	0.4 (1 in 258)	0.8 (1 in 120)	2.3 (1 in 43)	1.4 (1 in 72)	3.5 (1 in 29)
	Female	0.6 (1 in 162)	0.7 (1 in 152)	1.1 (1 in 89)	0.6 (1 in 181)	2.5 (1 in 40)
Non-Hodgkin lymphoma	Male	0.2 (1 in 407)	0.5 (1 in 204)	1.6 (1 in 64)	0.9 (1 in 105)	2.3 (1 in 44)
	Female	0.2 (1 in 534)	0.4 (1 in 265)	1.2 (1 in 87)	0.6 (1 in 158)	1.9 (1 in 54)
Prostate	Male	0.2 (1 in 468)	3.8 (1 in 26)	10.6 (1 in 9)	3.2 (1 in 31)	12.8 (1 in 8)
Thyroid	Male	0.2 (1 in 500)	0.2 (1 in 506)	0.3 (1 in 362)	0.1 (1 in 1,434)	0.6 (1 in 160)
	Female	0.8 (1 in 126)	0.5 (1 in 207)	0.5 (1 in 220)	0.1 (1 in 1,136)	1.7 (1 in 59)
Uterine cervix	Female	0.3 (1 in 340)	0.2 (1 in 564)	0.2 (1 in 580)	0.1 (1 in 1,691)	0.6 (1 in 156)
Uterine corpus	Female	0.3 (1 in 295)	1.1 (1 in 91)	1.7 (1 in 57)	0.4 (1 in 245)	3.1 (1 in 32)

Probability is for those who are free of cancer at the beginning of each age interval. The probability of developing additional cancers and the probability of cancer death can be found in supplemental data at [cancer.org/statistics](https://cancer.org/statistics). <sup>a</sup>Excludes basal and squamous cell skin cancers and in situ carcinoma except urinary bladder. <sup>b</sup>Probabilities are for non-Hispanic White individuals only.

**Data source:** DevCan: Probability of Developing or Dying of Cancer Software, Version 6.9.0. Statistical Research and Applications Branch, National Cancer Institute, 2024. [surveillance.cancer.gov/devcan/](https://surveillance.cancer.gov/devcan/).

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