

Online Resource 3. Uncorrected and corrected incidence by socio-demographic and clinical factors

Table 2. Uncorrected and corrected cancer incidence rate by race/ethnicity, age and histology and other parameters

Author, year	Parameter Discussed	Uncorrected Screening Coverage / Incidence- By Parameter Discussed	Hysterectomy Corrected Screening Coverage / Incidence- By Parameter Discussed
Rositch2014	Race/ Age	White 20-24- 1.5 (1.3-1.7) 25-29- 6.2 (5.9- 6.5) 30-34- 12.2 (11.7- 12.6) 35-39- 15.1 (14.6- 15.6) 40-44- 17.8 (17.3-18.4) 45-49- 17.5(16.9-18.1) 50-54- 13.3 (12.8-13.8) 55-59- 12.7 (12.2-13.2) 60-64- 12.5 (11.9-13.1) 65-69- 13.5 (12.8-14.2) 70-74- 11.8 (11.2-12.5) 75-79- 10.1 (9.5-10.8) 80-84- 9.9 (9.2-10.6) >=85- 8.9 (8.2- 9.5) Black 20-24- 1.8 (1.4-2.2) 25-29- 5.3 (4.6- 6.0) 30-34- 9.7 (8.7-10.7) 35-39- 12.8 (11.7- 13.9) 40-44- 16.6 (15.4-17.9) 45-49- 16.7 (15.4-18.0) 50-54- 17.3 (15.9- 18.8) 55-59- 18.3 (16.6-20.0) 60-64- 23.2 (20.9-25.4) 65-69- 23.5 (21.0-26.0) 70-74- 21.3 (18.6-24.0) 75-79- 24.0 (20.8-27.2) 80-84- 26.5 (22.6-30.5) >=85-29.4 (25.0-33.8)	White 20-24- 1.5 (1.3-1.7) 25-29- 6.3 (5.9-6.6) 30-34- 12.5 (12.1-13.0) 35-39- 16.0 (15.5- 16.5) 40-44- 17.8 (17.3-18.4) 45-49- 17.5(16.9-18.1) 50-54- 18.2 (17.5- 18.8) 55-59- 19.1 (18.3-19.9) 60-64- 20.6 (19.6-21.6) 65-69- 24.7 (23.4-25.9) 70-74- 21.8 (20.5-23) 75-79- 20.0 (18.8-21.3) 80-84- 20.0 (18.8-21.3) >=85- 20.0 (18.8-21.3) Black 20-24- 1.8 (1.4-2.2) 25-29- 5.3 (4.6- 6.1) 30-34- 9.7 (8.8-10.9) 35-39- 13.7 (12.5- 14.9) 40-44-19.3 (17.9-20.8) 45-49- 23.1 (21.3- 24.9) 50-54- 29.8 (27.3- 32.3) 55-59- 33.1 (30.0-36.1) 60-64- 46.9 (42.4-51.4) 65-69- 53.0 (47.3-58.8) 70-74- 44.4 (38.9-50.0) 75-79- 52.2 (45.3-59.0) 80-84- 48.3 (41.1-55.5) >=85-57.8 (49.1-66.4)

		Other/Mixed 20-24- 1.3 (0.9- 1.7) 25-29- 3.3 (2.7- 3.9) 30-34-7.4 (6.5-8.3) 35-39- 9.9 (8.9- 11.0) 40-44-13.3 (12.0-14.5) 45-49- 16.1 (14.7- 17.5) 50-54- 14.5 (13.1-15.9) 55-59- 14.8 (13.2-16.4) 60-64- 17.7 (15.7-19.7) 65-69- 17.0 (14.8-19.2) 70-74- 17.7 (15.2-20.1) 75-79- 17.5 (14.7-20.2) 80-84- 17.3 (14.0-20.6) >=85-16.0 (12.5-9.5)	Other/Mixed 20-24- 1.3 (0.9- 1.7) 25-29- 3.3 (2.7- 3.9) 30-34-7.4 (6.5-8.3) 35-39- 10.4 (9.3- 11.5) 40-44- 14.3 (13.0-15.6) 45-49-19.3 (17.6- 21.0) 50-54- 18.2 (16.4- 19.9) 55-59- -20.7 (18.5-22.9) 60-64- 28.5((25.3-31.8) 65-69- 28.3 (24.6-32.0) 70-74- 27.1 (23.3-30.8) 75-79- 26.8 (22.5-31.0) 80-84- 43.2 (34.9-51.4) >=85-27.1 (21.1-33)
Islami2019	Race/Age	Non-Hispanic White 20-29-3.1 30-39- 12.1 40-49-13.7 50-59- 10.6 60-69- 9.3 70+- 6.8 Non-Hispanic Black 20-29-2.7 30-39- 10.3 40-49-14.8 50-59- 15.6 60-69- 17.0 70+- 17.5 Hispanic 20-29-3.1 30-39- 12.2 40-49-16.8 50-59- 16.0 60-69- 16.3 70+- 15.3	Non-Hispanic White 20-29-3.1 30-39- 12.6 40-49-16.1 50-59- 14.2 60-69- 14.4 70+- 12.0 Non-Hispanic Black 20-29-2.6 30-39- 10.5 40-49-17.8 50-59- 22.9 60-69- 27.3 70+- 30.1 Hispanic 20-29-3.1 30-39- 12.4 40-49:18.6 50-59- 20.7 60-69- 22.6 70+- 23.3

		Hispanic 20-29-3.1 30-39- 12.2 40-49-16.8 50-59- 16.0 60-69- 16.3 70+- 15.3 Asian PI 20-29-1.1 30-39- 5.9 40-49-10.5 50-59- 11.8 60-69- 11.9 70+- 11.6	Hispanic 20-29-3.1 30-39- 12.4 40-49-18.6 50-59- 20.7 60-69- 22.6 70+- 23.3 Asian PI 20-29-1.2 30-39- 5.8 40-49:11.1 50-59- 13.8 60-69- 15.6 70+- 14.8
Amboree2024	Race/ Income Quartile	Low Income Quartile (Annual Percentage Change- APC) Non-Hispanic White (2007-2019)- 1.3 (0.4 to 3.3) Hispanic (2009-2019)- 1.5 (-0.5 to 7.2) Non-Hispanic Black (2000-2019)- -2.7 (-3.5 to -1.8) High Income Quartile Non-Hispanic White (2009-2019)- -0.8 (-1.1 to -0.5) Hispanic (2012-2019)- -0.2 (-1.3 to 1.4) Non-Hispanic Black (2000-2019)- -2.6 (-3.0 to -2.3)	Low Income Quartile (Average Annual Percentage Change- AAPC) Non-Hispanic White (2000-2019)- -0.4 (-1.1 to 0.3) Hispanic (2000-2019)- -1.9 (-3.0 to 7.2) Non-Hispanic Black (2000-2019)- -3.8 (-4.6 to -3.0) High Income Quartile Non-Hispanic White (2000-2019)- -1.1 (-1.3 to -0.8) Hispanic (2012-2019)- -3.5(-3.9 to -3.1) Non-Hispanic Black (2000-2019)- -4.7 (-5.2 to -4.1)
Gopalani2024	Histology/ Age	Histology /Age Squamous Cell Carcinoma	Histology /Age Squamous Cell Carcinoma

	Histology/ Ethnic Group Histology/ Region 30-39-8.1 (8.0-8.2) 40-49- 9.7 (9.6-9.8) 50-59- 8.7 (8.6-8.8) 60 -69-8.0 (7.9-8.1) 70-79-6.9 (6.8-7.0) ≥ 80- 5.5 (5.3-5.6) Adenocarcinoma 30-39-3.6 (3.5-3.7) 40-49- 4.1 (4.0-4.2) 50-59- 3.0 (3.0-3.1) 60 -69- 2.9 (2.8-3.0) 70-79-2.5 (2.5-2.6) ≥ 80- 1.9 (1.8-2.0) Other 30-39-0.6 (0.5-0.6) 40-49- 0.7 (0.7-0.8) 50-59- 0.8 (0.7-0.8) 60 -69-0.9 (0.9-0.9) 70-79- 0.9 (0.9-1.0) ≥ 80- 0.9 (0.9-1.0) Histology/ Ethnic Group Squamous cell carcinoma Non-Hispanic White-7.3 (7.3-7.4) Non- Hispanic Black-12.1 (12.0-12.3) Non-Hispanic American Indian or Alaska Native-10.2 (9.7-10.8) Non-Hispanic Asian or Pacific Islander-7.3 (7.1-7.5) Hispanic-11.8 (11.7-12.0) Adenocarcinoma Non-Hispanic White-3.4 (3.4-3.4) Non- Hispanic Black- 2.6 (2.6-2.7) Non-Hispanic American Indian or Alaska Native- 3.2 (2.9-3.5) Non-Hispanic Asian or Pacific	30-39-8.5 (8.4-8.6) 40-49- 11.6 (11.4-11.7) 50-59- 12.4 (12.3-12.5) 60 -69-13.4 (13.2-13.5) 70-79-13.1 (12.9-13.4) ≥ 80- 10.4 (10.1-10.6) Adenocarcinoma 30-39-3.8 (3.7-3.8) 40-49-4.9 (4.8-5.0) 50-59-4.3 (4.2-4.4) 60 -69- 4.8 (4.7-5.0) 70-79- 4.8 (4.7-5.0) ≥ 80- 3.6 (3.5-3.7) Other 30-39-0.6 (0.6-0.6) 40-49- 0.9 (0.8-0.9) 50-59- 1.1 (1.0-1.1) 60 -69-1.5 (1.5-1.6) 70-79- 1.8 (1.7-1.9) ≥ 80- 1.8 (1.7-1.9) Histology/ Ethnic Group Squamous cell carcinoma Non-Hispanic White-9.8 (9.7-9.8) Non- Hispanic Black-18.5 (18.3-18.7) Non-Hispanic American Indian or Alaska Native-4.8 (13.9-15.6) Non-Hispanic Asian or Pacific Islander- 8.9 (8.7-9.1) Hispanic- 15.7 (15.5-15.9) Adenocarcinoma Non-Hispanic White- 4.4 (4.4-4.5) Non- Hispanic Black- 4.2 (4.1-4.3) Non-Hispanic American Indian or Alaska Native- 4.6 (4.1-5.1) Non-Hispanic Asian or Pacific Islander- 3.6 (3.5-3.7) Hispanic- 5.4 (5.3-5.5)
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		Islander- 3.1 (3.0- 3.2) Hispanic- 4.2 (4.1-4.3) Others Non-Hispanic White-0.6 (0.6-0.6) Non- Hispanic Black- 1.2 (1.2-1.3) Non-Hispanic American Indian or Alaska Native- 0.9 (0.7-1.1) Non-Hispanic Asian or Pacific Islander-0.6 (0.6-0.7) Hispanic- 1.1 (1.1-1.2) Histology / Region Squamous Cell Carcinoma New England-5.9 Middle Atlantic-8.5 East North Central- 8.1 West North Central-7.6 South Atlantic-8.6 East South Central-10.0 West South Central- 10.3 Mountain- 7.0 Pacific- 7.7	Others Non-Hispanic White-0.9 (0.9-0.9) Non- Hispanic Black- 2.0 (2.0-2.1) Non-Hispanic American Indian or Alaska Native- 1.4 (1.1-1.7) Non-Hispanic Asian or Pacific Islander- 0.8 (0.7-0.9) Hispanic- 1.6 (1.5-1.6) Histology / Region Squamous Cell Carcinoma New England-7.3 Middle Atlantic-10.6 East North Central- 10.8 West North Central-10.1 South Atlantic-12.0 East South Central-15.6 West South Central- 15.2 Mountain- 9.7 Pacific- 10.0
De La Cerda 2021	Ethnic group / Age Group	Incidence rate per 100,000 Non-Hispanic White 18-24 years- 1.1, 25-34 years- 9.4, 35-44 years-14.6, 45-54 years- 10.2, 55-64 years- 9.4,	Incidence rate per 100,000 Non-Hispanic White 18-24 years- 1.1, 25-34 years- 9.5, 35-44 years-15.2, 45-54 years- 11.4, 55-64 years- 11.2,

		65+ years- 6.3 Non-Hispanic Blacks 18-24 years- 0.8, 25-34 years- 6.1, 35-44 years-10.4, 45-54 years- 14.5, 55-64 years- 16.5, 65+ years- 20.8 Hispanic 18-24 years- 0.6, 25-34 years- 10.5, 35-44 years-15.4, 45-54 years- 16.6, 55-64 years- 16.6, 65+ years- 14.8	65+ years- 9.2 Non-Hispanic Blacks, 18-24 years- 0.8, 25-34 years- 6.1, 35-44 years-10.6, 45-54 years- 15.0, 55-64 years- 17.3, 65+ years- 21.8 Hispanic, 18-24 years- 0.6, 25-34 years- 10.6, 35-44 years-15.9, 45-54 years- 17.4, 55-64 years- 17.8, 65+ years- 15.4
Wong 2011	Health Service Region/ Race (Ethnic Group)	Northern Plain AI/AN- 12.5 NHW- 7.4 Rate Ratio-1.69 Alaska AI/AN- 8.4 NHW-6.2 Rate Ratio- 1.37 Southern Plain AI/AN-14.1 NHW- 9.1 Rate Ratio- 1.54 Pacific Coast AI/AN-6.9 NHW-7.0 Rate Ratio-0.98 East AI/AN- 7.1 NHW-7.3 Rate Ratio-0.97 South West AI/AN-7.8	Northern Plain AI/AN- 17.4 NHW- 9.5 Rate Ratio-1.84 Alaska AI/AN- 11.4 NHW-8.8 Rate Ratio- 1.29 Southern Plain AI/AN-20.4 NHW- 13.7 Rate Ratio- 1.49 Pacific Coast AI/AN-9.0 NHW- 9.4 Rate Ratio-0.95 East AI/AN- 11.2 NHW- 9.7 Rate Ratio-1.16 South West AI/AN- 13.4

		NHW-7.3 Rate Ratio- 1.07 (Northern and Southern Plains are statistically significant)	NHW- 10.5 Rate Ratio- 1.28 (Northern and Southern Plains are statistically significant)
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