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Differences in breast cancer incidence among young women aged 20–49 years by stage and tumor characteristics, age, race, and ethnicity, 2004–2013

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Abstract

Purpose—Younger women diagnosed with breast cancer have poorer prognoses and higher mortality compared to older women. Young black women have higher incidence rates of breast cancer and more aggressive subtypes than women of other races/ethnicities. In this study, we examined recent trends and variations in breast cancer incidence among young women in the United States.

Methods—Using 2004–2013 National Program of Cancer Registries and Surveillance, Epidemiology, and End Results Program data, we calculated breast cancer incidence rates and trends and examined variations in stage, grade, and tumor subtype by age and race/ethnicity among young women aged 20–49 years.

Results—The majority of breast cancer cases occurred in women aged 40–44 and 45–49 years (77.3%). Among women aged < 45 years, breast cancer incidence was highest among black women. Incidence trends increased from 2004 to 2013 for Asian or Pacific Islander (API) women and white women aged 20–34 years. Black, American Indian or Alaska Native, and Hispanic women had higher proportions of cases diagnosed at later stages than white and API women. Black women had a higher proportion of grade III–IV tumors than other racial/ethnic groups.

Compliance with ethical standards

Conflicts of interest The authors declare that they have no conflict of interests.

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Availability of data The dataset generated and analyzed during the current study is available in the U.S. Cancer Statistics repository, https://www.cdc.gov/cancer/npcr/public-use/index.htm.

Disclaimer The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

Across all age groups, incidence rates for triple-negative breast cancer were significantly higher in black women than women of other races/ethnicities, and this disparity increased with age.

Conclusions—Breast cancer among young women is a highly heterogeneous disease. Differences in tumor characteristics by age and race/ethnicity suggest opportunities for further research into personal and cultural factors that may influence breast cancer risk among younger women.

Keywords

Breast cancer; Young women; Health disparities; Tumor subtype; Triple-negative breast cancer; Cancer registries

Background

Breast cancers in young women aged < 40 years at diagnosis have poorer prognosis and higher mortality compared to breast cancers diagnosed in older women [1, 2]. Younger women tend to present at later stages and with more aggressive, larger tumors [3–5]. Although breast cancer is uncommon among younger women [6], it accounts for significant excess costs in medical treatment and lost productivity [7–9]. Incidence rates of breast cancer in younger women have remained stable in recent years [2, 6, 10]. However, an increasing incidence was reported in invasive breast cancer among young white women aged < 40 years from 1992 to 2004 [11] and in breast cancer with metastatic disease among women aged 25–39 from 1976 to 2009 [12].

Racial differences have been documented in breast cancer incidence at all ages and in breast cancer mortality in younger women [10, 13, 14]. Black women are more likely to be diagnosed at younger ages and with the more biologically aggressive triple-negative subtype [15, 16]. Young black women aged < 40 years have a higher breast cancer mortality rate compared to white women [10]. Racial differences in survival are possibly due to differences in tumor morphology, stage at the time of diagnosis, access to care, and quality of treatment [17, 18].

Recent trends and incidence rates for breast cancers in younger women have not been comprehensively described by race or ethnicity or age group. Using combined data from the Centers for Disease Control and Prevention's National Program of Cancer Registries (NPCR) and the National Cancer Institute's Surveillance, Epidemiology, and End Results Program (SEER) from 2004 to 2013, this study aims to report recent trends and describe variations in breast cancer incidence and stage, grade, and tumor subtype by age and race/ ethnicity among women aged 20–49 years.

Methods

Data source

Population-based invasive breast cancer incidence data for women diagnosed from 2004 to 2013 were obtained from cancer registries funded by NPCR or SEER. Data were collected and reported using standard data items and uniform codes and procedures as promulgated by

the North American Association of Central Cancer Registries [19]. Data were reported from 49 states and DC central cancer registries that met United States Cancer Statistics (USCS) publication standards [20]. The combined NPCR/SEER data covered 99.1% of the US population for this study [20]. The corresponding population data used for this analysis were obtained from the SEER program, which uses a slight modification of the annual population estimates from the Census Bureau [21].

Case definition

Site and histology for incident breast cancers were coded according to the International Classification of Diseases for Oncology third edition (ICD-O-3). Cases were defined as invasive, breast cancer (ICD-O-3 site code C50.0–C50.9) diagnosed in women aged 20–49 years. Cases reported to the cancer registry based on autopsy only or death certificate only were excluded (n = 601).

Population characteristics

Age at diagnosis was stratified into four groups (20–34, 35–39, 40–44, and 45–49 years). Race/ethnicity was combined and stratified into five mutually exclusive groups [Non-Hispanic (NH) White, NH Black, NH Asian or Pacific Islander (API), NH American Indian or Alaska Native (AIAN), Hispanic].

Tumor stage and grade

Stage was categorized (localized, regional, distant, unknown) according to the SEER Summary Staging 2000 [22]. Grade was classified into four groups (well differentiated [grade I], moderately differentiated [grade II], poorly differentiated and undifferentiated/ anaplastic [grade III–IV], unknown). Given the small number of undifferentiated/anaplastic cases, poorly differentiated and undifferentiated/anaplastic grades were combined and analyzed together.

Tumor subtype

Tumor subtype was classified based on estrogen receptor (ER), progesterone receptor (PR), and human growth factor/neu receptor (HER2) status. ER and PR status were combined into one of three hormone receptor (HR) status categories: HR+ (cases with ER+ or PR+ or borderline ER or PR), HR–(ER– and PR– cases), and unknown HR status. Unknown HR status included ER– cases where PR test results were unknown or missing, PR– cases where ER test results were unknown or missing. HR and HER2 variables were combined into five categories as follows: HR+/HER2–, HR+/HER2+, HR–/HER2+, HR–/HER2– [triple-negative (TN)], and subtype unknown. Unknown subtype included cases with unknown HR status or cases where HER2 test results were borderline, unknown, or missing. Overall from 2011 to 2013, about 5% of cases were classified as unknown for ER and PR status and about 11% were classified as unknown for HER2 status.

Statistical analysis

SEER*Stat [23] was used to calculate incidence rates (per 100,000 women) and rate ratios. Corresponding 95% confidence intervals (CIs) were calculated. The annual percent change (APC) was calculated using the least squares method. We analyzed the relative proportion of age-specific incidence among racial and ethnic groups by stage and grade. All rates for the age groups 20–34 and 20–49 years were age adjusted to the US 2000 standard population.

For the HR/HER2 subtype analysis, we limited our analysis to 2011–2013 because a high percentage of data on ER, PR, and HER2 status was missing in prior years and HER2 data were unavailable prior to 2010. In the subtype analysis, the number of cases among AIAN women was too few to examine separately, but these cases were included in the results for all races/ethnicities combined. We examined the incidence of HR/HER2 subtypes among racial and ethnic groups by age and analyzed the relative proportion of rates of HR/HER2 subtype incidence among racial and ethnic groups by stage and grade.

Results

Incidence rates by race/ethnicity, age, and region

From 2004 to 2013, the vast majority of invasive breast cancer cases (77.3%) among young women occurred after age 40 years, and nearly half occurred among women aged 45–49 years (Table 1). Incidence rates increased with age within each racial and ethnic group and were more than 10 times higher for women aged 45–49 years compared to women aged < 35 years. Among women aged < 45 years, black women had significantly higher incidence rates than white women across all age groups. Among women aged 45–49 years, incidence rates in black women were significantly lower than those in white women. For all age groups combined, white women had significantly higher incidence rates than Hispanic, API, and AIAN women.

Incidence trends by race/ethnicity and age

From 2004 to 2013, breast cancer incidence trends remained stable across most age and racial/ethnic groups with a few exceptions (Table 1). API women aged 20–49 (APC = 0.9) and aged 45–49 (APC = 1.2) years experienced a significant increase over the 10-year period. Among women aged 20–34 years, there was a small but significant increase among white women (APC = 0.3). Hispanic women aged 35–39 had a significant decrease in incidence (APC = -0.7) over this time period.

Relative proportion of tumor stage and grade by race/ethnicity and age

Localized tumors represented the highest percentage of incident cases in older age groups (40–44 and 45–49 years), and the proportion of regional and distant stage tumors decreased with age (Fig. 1). Across all age groups, black women, and to a lesser extent AIAN and Hispanic women, had a higher proportion of cases diagnosed at regional and distant stages compared to white and API women. Among black, AIAN, and Hispanic women aged < 40 years, and white women aged < 35 years, more than half of cases were diagnosed at regional or distant stages. Across all ages, API women had the highest proportion of localized stage tumors than any other racial/ethnic group.

Across all races/ethnicities, grade III–IV tumors comprised more than half of incident cases among women aged 20–34 years, and this proportion decreased with age (Fig. 2). Conversely, the proportion of grade I and II tumors increased with age. Compared to other races/ethnicities, black women had the highest proportion of grade III–IV tumors, making up the majority of cases among black women, even in the oldest age group (45–49 years). White and API women had the lowest proportion of grade III–IV tumors across all age groups.

Incidence rates by HR/HER2 subtype, race/ethnicity, and age

Among women aged 20–49 years whose breast cancer was diagnosed from 2011 to 2013, invasive breast cancer incidence rates varied by HR/HER2 subtype and race/ethnicity (Table 2). HR+/HER2– was the most common breast cancer subtype, representing 58% of all cases and was the most common subtype for all races/ethnicities, with higher rates among white women compared to API, Black, and Hispanic women (p < 0.001, for all groups).

TN breast cancer was the second most common subtype overall, making up over 14% of all cases. TN was the second most common subtype for black and Hispanic women and the third most common for white and API women. Black women had the highest age-adjusted incidence of TN breast cancer compared to all other racial/ethnic groups (p < 0.001, for all groups). The TN incidence rate for black women was about two times higher than for white and Hispanic women and almost three times higher than for API women. Black women also had the highest proportional distribution of TN tumors (23%), followed by Hispanic (15%), white (13%), and API (10%) women.

HR+/HER2+ breast cancer was the third most common subtype, representing 13% of all cases. White women had significantly higher rates of HR+/HER2+ compared to black (p = 0.035), API (p = 0.018), or Hispanic (p < 0.001) women.

HR–/HER2+ breast cancer was the least common subtype for all races/ethnicities, accounting for only 5% of all cases. Black and API women had comparable rates of HR–/ HER2+, 4.1 and 3.9 per 100,000, respectively. Black and API women had significantly higher rates than white and Hispanic women. API, Hispanic, and black women had a slightly higher proportion of HR–/HER2+ tumors (6%) than white women (5%). Hispanic women had the highest percentage of unknown tumor subtypes (13%), followed by black (10%), API (9%), and white (8%) women.

Among all racial and ethnic groups, the incidence of HR +/HER2– tumors increased with age (Fig. 3). In women aged 20–34 years, black women had higher rates of HR+/HER2– than the other racial/ethnic groups (p < 0.001, for all groups) and white women had significantly higher rates than API (p = 0.04) and Hispanic (p < 0.01) women. In women aged 35–39 years, white, black, and API women all had comparable rates (32.3, 31.7, and 30.4 per 100,000, respectively). Among women aged 40 years, the incidence of HR+/HER2– tumors was significantly higher among white women than other races/ethnicities (p < 0.001, for all groups), with the second highest rates found in API women.

Incidence of TN tumors increased with age among all racial and ethnic groups (Fig. 4). In all age groups, TN incidence rates were significantly higher in black women compared to other racial and ethnic groups, and this difference increased with age (p < 0.01, for all groups). The proportion of all breast cancer that was TN was fairly consistent across age groups of black women, 24% in women aged < 45 years and 22% in 45–49 years (Fig. 5). In contrast, the proportion of TN breast cancer cases decreased with age for white, API, and Hispanic women.

Relative proportion of tumor stage and grade, by HR/HER2 subtype

Among HR+/HER2– tumors, white and API women have a higher proportion of localized tumors (61%) compared to black and Hispanic women (50 and 52%, respectively) (Fig. 6). White (58%) and API (61%) women have higher proportions of localized TN tumors than black (49%) or Hispanic women (53%). A greater proportion of HR+/HER2+ tumors were distant stage in black women (11%) than that in Hispanic, white, and API women (9, 7, and 6%, respectively). Among HR–/HER2+ tumors, black (15%) and Hispanic women (13%) had a higher proportion of distant stage tumors than white or API women (9 and 8%, respectively).

Black women with HR+/HER2– tumors had a lower proportion of grade I and II tumors (55%) compared to white, API, and Hispanic women (70, 68, and 65%, respectively) (Fig. 7). Across all racial/ethnic groups, TN tumors had the highest and HR–/HER2+ tumors have the second highest proportion of grade III–IV tumors compared to other subtypes.

Discussion

Our study provides updated data on breast cancer incidence among young women covering the entire country, and expands our understanding of differences in breast cancers among younger women by race and ethnicity in several areas. Breast cancers among young women are highly heterogeneous. Within the age range of 20–49 years, incidence increased markedly with age, and most cancers occurred among women aged 40–49 years. For all age groups < 45 years, incidence rates were highest among black women. Although breast cancer incidence trends were stable from 2004 to 2013 among all racial and ethnic groups combined, incidence increased over the 10-year study period among API women, driven by a significant increase among API women in California aged < 50 years [24]. Our data also showed a smaller but significant increase in incidence among white women aged < 35 years.

White women aged 20–49 years had the highest rates of HR+/HER2– compared to women of other races/ethnicities, similar to the subtype distribution among women of all ages [25]. Among women aged < 40 years, other studies reported that API and white women had a similar incidence of HR+/HER2– [26, 27], but we found this similarity in incidence only among women aged 35–39 years. Among women aged < 35 years, white women had higher incidence rates of HR+/HER2– breast cancers than all other groups, including API women.

In our study results, the proportion of TN breast cancers decreased with age overall but was fairly consistent across age groups among black women, who also had the highest

proportional distribution of TN tumors compared to other races/ethnicities. A study using registry data from California [26] had reported a decrease in the proportion of TN tumors with increased age in all women, but we are unaware of other studies that have reported on the proportion of TN breast cancer by race/ethnicity and age. A growing body of research points to multiple risk factors associated with the increased risk of TN breast cancer in black women, including parity, lack of breastfeeding initiation, and obesity [28–32].

Black, Hispanic, and AIAN women had a higher proportion of advanced stage tumors compared to white and API women at every age group. A difference in stage distribution between black and white younger women had been reported in earlier studies [33-36]. A study of women aged < 35 years diagnosed with breast cancer in the 1990s reported that Hispanic women presented with more advanced stage tumors compared to NH white women [33]. In contrast, a study in California examining data from 1988 to 2006 reported similar rates of advanced stage tumors among Hispanic and NH white women aged 40-49 years [35]. A study analyzing SEER registry data from 1973 to 2009 for women aged 18-39 years reported that black and Hispanic white women had higher proportions of advanced stage breast cancers compared to NH white and API women [36]. In a study of adult women aged 40-79 years from 2000 to 2006, black, Hispanic white, Pacific Islander, and AIAN women were more likely to present stage IV tumors than NH white women. However, only 23% of this study's population was aged < 50 years and none were aged < 40 years [37]. Across all racial and ethnic groups, we found that HR+/HER2+ and HR-/HER2+ tumors were more likely to be distant stage than other subtypes. This finding is consistent with previous reports for women of all ages [38] and adolescent and young adult women of all races [26].

Among women aged < 40 years, black women had a higher proportion of high-grade tumors compared to other racial and ethnic groups, particularly white and API women, similar to previous reports [34, 36]. In contrast, a study among women aged < 35 years diagnosed with breast cancer from 1990 to 1998 reported that white women were as likely as black and Hispanic women to report high-grade tumors [33]. We also found that TN tumors were more likely to be high grade than other HR/HER2 subtypes, especially among younger black women. This association between TN subtype and high-grade tumors had been reported in studies of women of all ages [38, 39] and in a study of adolescents and young adults of all races [26].

These data showed women aged 20–39 years had higher proportions of later stage and higher grade breast cancer diagnoses than women aged 40–49 years. Leading organizations do not recommend screening by mammography for average risk women prior to the age of 40 [40–42]. Guidelines for mammography use are inconsistent for women aged 40–49 years, though some organizations recommend annual mammography screening starting at age 40 or 45 [40, 43]. Mammography has lower sensitivity, higher false-positive rates, and a lower positive predictive value for younger women compared with older women and may cause harms including false-positives, over-diagnosis, and radiation exposure [44]. Despite these limitations, younger women are receiving screening mammograms [45]. Young women more often detect their own breast cancers [46], which may be diagnosed at a more advanced stage or higher grade than tumors detected among asymptomatic women through screening.

We did not have information on family history or genetic test results for women with breast cancer, which may contribute to some early breast cancers. Early onset breast cancers are more often associated with BRCA1 and BRCA2 mutations or other genetic predispositions compared to breast cancers diagnosed in older women [47–49]. Events related to prenatal and early life exposures, contraception, reproduction, pregnancy, and breastfeeding may influence tumor biology, as well as overall breast cancer risk among young women [47, 50–52]. Modifiable cancer risk factors in early adulthood, such as alcohol consumption, are prevalent, and also may contribute to breast cancer among young women [53, 54]. Younger age has been found to be an independent determinant of poor breast cancer prognosis, regardless of intensity of treatment, stage, or tumor characteristics [55]. The Center for Disease Control and Prevention's *Bring Your Brave* campaign raises awareness about breast cancer risk factors and symptoms and provides resources for young women and their providers [56].

We note some limitations of this analysis. Registry data are subject to variations in data quality, incomplete geographic, or population reporting, and data are not available for estimating underlying populations at risk. However, all the participating registries met USCS high data quality criteria. Analyses based on race and ethnicity might be biased if race and ethnicity were misclassified in medical records, although efforts were made to ensure that this information was as accurate as possible [57]. Additionally, trends should be carefully interpreted, as changes in incidence may be occurring even if the trend is not statistically significant.

Conclusions

Our examination of breast cancer incidence among young women by HR/HER2 subtype demonstrated variation by race/ethnicity, age, stage, and grade, underscoring the need to differentiate breast cancers by tumor subtype. TN breast cancer is a more aggressive cancer, associated with poorer outcomes and disproportionately affects black women aged < 50 years. Younger black women have higher breast cancer incidence (aged < 45 years) with higher rates of TN breast cancers. Differences in tumor characteristics by age and race/ ethnicity suggest opportunities for further research into individual, cultural, and structural factors that may influence breast cancer risk among younger women.

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Abbreviation

AIAN	American Indian or Alaska Native
APC	Annual percent change
API	Asian or Pacific Islander
CI	Confidence interval

ER	Estrogen receptor
HER2	Human growth factor/neu receptor
HR	Hormone receptor
ICD-O-3	International Classification of Diseases for Oncology third edition
NH	Non-Hispanic
NPCR	National Program of Cancer Registries
PR	Progesterone receptor
SEER	Surveillance, epidemiology, and end results program
TN	Triple-negative
USCS	United States Cancer Statistics

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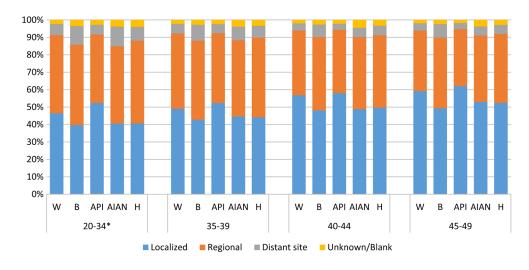


Fig. 1.

Relative proportion of female invasive breast cancer incidence by stage, age group, and race/ ethnicity, NPCR/SEER 2004–2013. *W* white, *B* black, *API* Asian or Pacific Islander, *AIAN* American Indian or Alaska Native, *H*Hispanic. *Rates are age adjusted to the 2000 US Standard Population

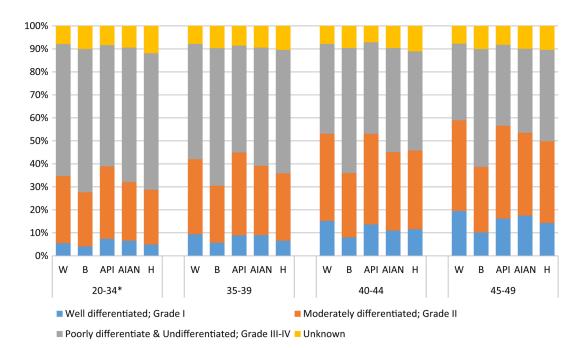


Fig. 2.

Relative proportion of female invasive breast cancer incidence by grade, age group, and race/ethnicity, NPCR/SEER 2004–2013. *W* white, *B* black, *API* Asian or Pacific Islander, *AIAN* American Indian or Alaska Native, *H* Hispanic. *Rates are age adjusted to the 2000 US Standard Population

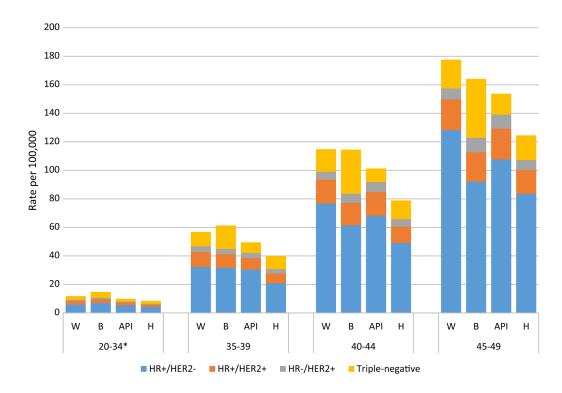


Fig. 3.

Female invasive breast cancer incidence by tumor subtype, race/ethnicity, and age group, NPCR/SEER 2011–2013. *W* white, *B* black, *API* Asian or Pacific Islander, *AIAN* American Indian or Alaska Native, *H*Hispanic. *Rates are age adjusted to the 2000 US Standard Population

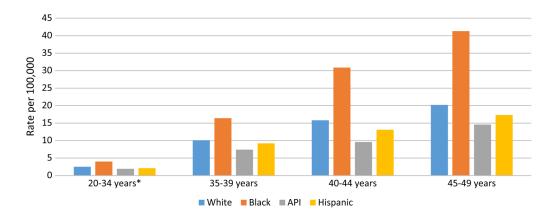


Fig. 4.

Female invasive triple-negative breast cancer incidence by race/ethnicity and age group, NPCR/SEER 2011–2013. *API* Asian or Pacific Islander. *Rates are age adjusted to the 2000 US Standard Population

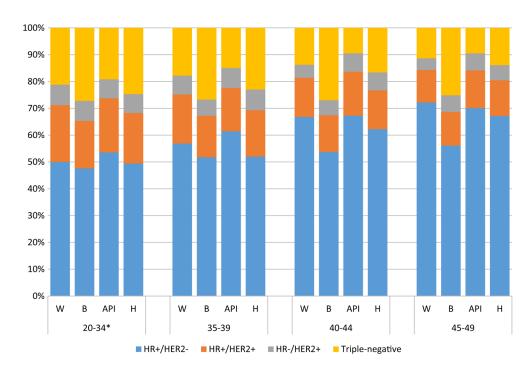


Fig. 5.

Relative proportion of female invasive breast cancer incidence by tumor subtype, race/ ethnicity, and age group, NPCR/SEER 2011–2013. *W* white, *B* black, *API* Asian Pacific Islander, *AIAN* American Indian/Alaska Native, *H* Hispanic. *Rates are age adjusted to the 2000 US Standard Population

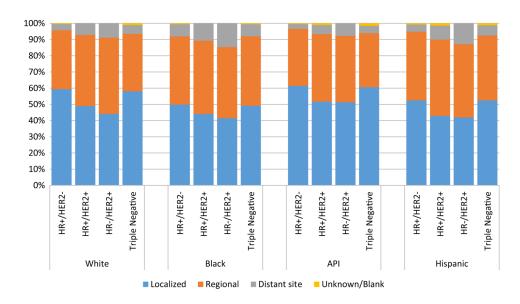


Fig. 6.

Relative proportion of female invasive breast cancer incidence by stage, race/ethnicity, and tumor subtype, NPCR/SEER 2011–2013. *API* Asian or Pacific Islander

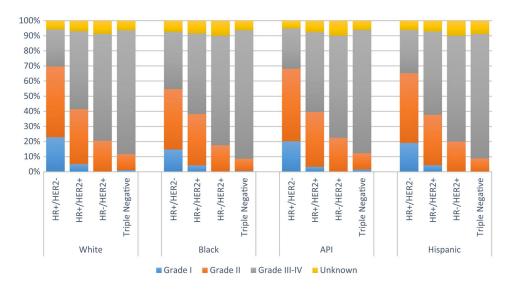


Fig. 7.

Relative proportion of female invasive breast cancer incidence by grade, race/ethnicity, and tumor subtype, NPCR/SEER 2011–2013. *API* Asian or Pacific Islander

Table 1

Incidence rates, rate ratios, annual percent change, and counts of invasive breast cancer in young women, aged 20-49, by age at diagnosis and race/ ethnicity, SEER/NPCR 2004-2013

		Rate	Rate ratio	95% CI	APC	Count
Total (20–49 years) ^a	All race/ethnicities	70.7			0.1	439,037
	White	73.0	Ref	Ref	0.1	297,852
	Black	75.3	1.03b	1.02 - 1.04	0.0	61,880
	IdV	62.0	0.85b	0.84 - 0.86	0.9c	22,271
	AIAN	51.2	0.70^{b}	0.68-0.73	1.3	2628
	Hispanic	54.3	0.74b	0.74-0.75	-0.5	48,626
20–34 years ^a	All race/ethnicities	12.9			0.3c	37,559
	White	12.8	Ref	Ref	0.3c	21,979
	Black	17.0	1.32^{b}	1.29 - 1.36	-0.5	6911
	IdA	10.8	0.84^{b}	0.81 - 0.88	1.0	2197
	AIAN	10.6	0.83b	0.73-0.93	1.9	264
	Hispanic	10.2	$q_{6.79}$	0.77 - 0.82	-0.3	5630
35–39 years	All race/ethnicities	61.3			-0.2	62,116
	White	62.7	Ref	Ref	-0.2	38,916
	Black	71.4	1.14b	1.11 - 1.16	-0.5	9846
	IdV	53.7	0.86b	0.83 - 0.89	0.3	3706
	AIAN	48.7	0.78b	0.70 - 0.86	1.3	402
	Hispanic	47.1	0.75b	0.73-0.77	-0.7c	8347
40-44 years	All race/ethnicities	121.5			0.1	130,991
	White	125.7	Ref	Ref	0.2	88,115
	Black	128.4	1.02^{b}	1.01 - 1.04	0.0	18,516
	IdV	108.7	0.87b	0.84 - 0.89	0.7	6921
	AIAN	84.6	0.67b	0.63-0.72	1.9	751
	Hispanic	93.0	0.74b	0.73-0.75	-0.5	14,906

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		Rate	Rate Rate ratio 95% CI APC Count	95% CI	APC	Count
45-49 years	All race/ethnicities 185.7	185.7			0.2	208,371
	White	193.2 Ref	Ref	Ref	0.1	148,842
	Black	183.1	0.95b	0.94-0.96	0.4	26,607
	API	161.9	0.84^{b}	0.82 - 0.86	1.2^{C}	9,447
	AIAN	130.0	0.67b	0.64-0.71	0.8	1211
	Hispanic	142.4	142.4 0.74b	0.73-0.75	-0.3	19,743

Rates are per 100,000; confidence intervals (Tiwari mod) are 95% for rates and rate ratios API Asian or Pacific Islander, AIAN American Indian or Alaska Native

 $^{\it a}{\rm Age-adjusted}$ to the 2000 US Standard Population

 $b_{\rm T}$ The rate ratio indicates that the rate is significantly different than the rate for NH White (p < 0.05)

 $^{c}{}_{\rm The}$ APC is significantly different from zero (p<0.05)

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Invasive breast cancer incidence in young women, aged 20–49, in the US by race/ethnicity and tumor subtype, NPCR/SEER 2011–2013

	All su	All subtypes	HR+/]	HR+/HER2-	HR^+	HR+/HER2+ HR-/HER2+ Triple-negative Unknown	HR-	/HER2+	Triple	-negative	Unkı	nown
All race/ethnicities 70.9 70.5–71.3 41.1 40.8–41.4 9.3 9.2–9.5 3.6 3.5–3.7 10.2 10.0–10.3 6.7 6.6–6.9	70.9	70.5-71.3	41.1	40.8-41.4	9.3	9.2–9.5	3.6	3.5–3.7	10.2	10.0-10.3	6.7	6.6–6.9
White	73.0		44.3	72.5-73.5 44.3 43.9-44.7 9.8 9.6-10.0 3.5 3.4-3.6 9.3 9.1-9.5 6.2	9.8	9.6 - 10.0	3.5	3.4–3.6	9.3	9.1–9.5	6.2	6.0-6.3
Black	74.5		35.8	73.4-75.6 35.8 35.1-36.6 9.3	9.3	8.9–9.7	4.1	3.8-4.3	17.5	8.9–9.7 4.1 3.8–4.3 17.5 17.0–18.0 7.8	7.8	7.5-8.2
API	64.0		38.6	62.6-65.4 38.6 37.5-39.8 9.1 8.5-9.6 3.9 3.6-4.3 6.5 6.0-7.0 5.9	9.1	8.5–9.6	3.9	3.6-4.3	6.5	6.0-7.0	5.9	5.5-6.3
Hispanic	53.5	53.5 52.7-54.4 28.8 28.2-29.4 6.9 6.6-7.2 3.0 2.8-3.2 8.0 7.7-8.3 6.9 6.6-7.2	28.8	28.2-29.4	6.9	6.6–7.2	3.0	2.8-3.2	8.0	7.7-8.3	6.9	6.6–7.2

APIAsian or Pacific Islander