**Supplemental Table 1** Characteristics of enrolled probands by race/ethnicity (n=3,620)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Non-Hispanic whites | Hispanics | African Americans | Asian Americans | All  |
|  | *n* | % | *n* | % | *n* | % | *n* | % | *n* | % |
|  |  |  |  |  |  |  |  |  |  |  |
| Age at diagnosis (years) |  |  |  |  |  |  |  |  |  |  |
|  18-34 | 125 | 14 | 117 | 11 | 52 | 6 | 77 | 9 | 371 | 10 |
|  35-49 | 280 | 32 | 469 | 44 | 293 | 35 | 353 | 41 | 1,395 | 39 |
|  50-64 | 461 | 53 | 486 | 45 | 486 | 58 | 421 | 49 | 1,854 | 51 |
| *P* value for differences by race/ethnicity a   |  |  |  |  |  |  |  |  | <0.01 |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Stage at diagnosis  |  |  |  |  |  |  |  |  |  |  |
|  In situ | 156 | 18 | 36 | 3 | 29 | 3 | 78 | 9 | 299 | 8 |
|  Localized | 459 | 53 | 580 | 54 | 453 | 55 | 423 | 50 | 1,915 | 53 |
|  Regional | 214 | 25 | 377 | 35 | 256 | 31 | 240 | 28 | 1,087 | 30 |
|  Distant | 14 | 2 | 21 | 2 | 22 | 3 | 13 | 2 | 70 | 2 |
| Missing | 23 | 3 | 58 | 5 | 71 | 9 | 97 | 11 | 249 | 7 |
| *P* value for differences by race/ethnicity a   |  |  |  |  |  |  |  |  | <0.01 |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Cancer family history b |  |  |  |  |  |  |  |  |  |  |
|  Yes | 578 | 67 | 301 | 28 | 263 | 32 | 246 | 29 | 1,388 | 38 |
|  No | 288 | 33 | 771 | 72 | 568 | 68 | 605 | 71 | 2,232 | 62 |
| *P* value for differences by race/ethnicity a   |  |  |  |  |  |  |  |  | <0.01 |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Neighborhood socioeconomic status c |  |  |  |  |  |  |  |  |  |  |
|  1 (low) | 159 | 18 | 194 | 18 | 165 | 20 | 162 | 19 | 680 | 19 |
|  2 | 186 | 21 | 204 | 19 | 160 | 19 | 168 | 20 | 718 | 20 |
|  3 | 169 | 20 | 203 | 19 | 162 | 19 | 156 | 18 | 690 | 19 |
|  4 | 170 | 20 | 223 | 21 | 178 | 21 | 174 | 20 | 745 | 21 |
|  5 (high) | 182 | 21 | 248 | 23 | 166 | 20 | 191 | 22 | 787 | 22 |
| *P* value for differences by race/ethnicity a   |  |  |  |  |  |  |  |  | 0.94 |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Education  |  |  |  |  |  |  |  |  |  |  |
|  Some high school or less | 19 | 2 | 363 | 34 | 68 | 8 | 63 | 7 | 513 | 14 |
|  High school graduate | 112 | 13 | 196 | 18 | 157 | 19 | 84 | 10 | 549 | 15 |
|  Some college or other d | 296 | 34 | 318 | 30 | 379 | 46 | 230 | 27 | 1,223 | 34 |
|  College graduate  | 438 | 51 | 193 | 18 | 219 | 27 | 471 | 56 | 1,321 | 37 |
| *P* value for differences by race/ethnicity a   |  |  |  |  |  |  |  |  | <0.01 |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Country of birth  |  |  |  |  |  |  |  |  |  |  |
| U.S.-born | 786 | 91 | 502 | 47 | 802 | 97 | 201 | 24 | 2,291 | 63 |
| Foreign-born | 80 | 9 | 569 | 53 | 27 | 3 | 649 | 76 | 1,325 | 37 |
| *P* value for differences by race/ethnicity a   |  |  |  |  |  |  |  |  | <0.01 |  |
|  |  |  |  |  |  |  |  |  |  |  |

Abbreviation: *SES* socioeconomic status.

a *P* value from chi square test.

b Family history of breast, ovarian or childhood cancer in first-degree relatives.

c Neighborhood SES based on a composite measure of seven SES indicators from Census data at the level of block groups and categorized according to the quintile distribution of eligible breast cancer cases.

d Technical or vocational school.

**Supplemental Table 2** Eligibility of first-degree relatives for data and biospecimen collection, by race/ethnicity

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | All probands | Non-Hispanic whites | Hispanics | AfricanAmericans | AsianAmericans | Chinese | Japanese | Filipinas | Others a |
|  |  *n*  | % |  *n* | % |  *n*  | % |  *n* | % |  *n*  | % |  *n*  | % |  *n* |  % |  *n* | % |  *n* | % |
| **Enrolled probands** b | 3,620  |  | 867 |  | 1,048 |  | 845 |  | 860 |  | 387 |  | 94 |  | 269 |  | 110 |  |
|  No living  eligible relatives c | 271 | 7 | 124 | 14 | 46 | 4 | 67 | 8 | 34 | 4 | 16 | 4 | 5 | 5 | 8 | 3 | 5 | 5 |
| No eligible relatives c living in North America | 340 | 9 | 21 | 2 | 148 | 14 | 7 | 1 | 164 | 19 | 73 | 19 | 15 | 16 | 48 | 18 | 28 | 25 |
| No permission to contact eligible relatives c | 753 | 21 | 98 | 11 | 196 | 19 | 221 | 26 | 238 | 28 | 136 | 35 | 14 | 15 | 65 | 24 | 23 | 21 |
|  At least one relative c  eligible for contact | 2,256 | 62 | 624 | 72 | 658 | 63 | 550 | 65 | 424 | 49 | 162 | 42 | 60 | 64 | 148 | 55 | 54 | 4 |
| **Relatives** c |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Eligible for biospecimen collection | 5,208 |  | 1,334 |  | 1,619 |  | 1,281 |  | 974 |  | 347 |  | 118 |  | 356 |  | 153 |  |
| Eligible for data collection | 4,279 |  | 967 |  | 1,356 |  | 1,105 |  | 851 |  | 308 |  | 96 |  | 332 |  | 115 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

a Includes other Asian Americans, Pacific Islanders, Native Americans, and mixed race/ethnicity.

b Completed the family history and risk factor questionnaires.

c Adult first-degree relatives, including mothers, fathers, full and half-sisters, and adult daughters and sons with a prior diagnosis of breast, ovarian or childhood cancer.

**Supplemental Table 3** Characteristics of enrolled relatives by race/ethnicity (n=3,302)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Non-Hispanic whites | Hispanics | African Americans | Asian Americans | All  |
|  | *n* | % | *n* | % | *n* | % | *n* | % | *n* | % |
|  |  |  |  |  |  |  |  |  |  |  |
| Age at interview (years) |  |  |  |  |  |  |  |  |  |  |
|  18-34 | 62 | 7 | 114 | 11 | 47 | 6 | 33 | 6 | 256 | 8 |
|  35-49 | 257 | 29 | 379 | 36 | 250 | 31 | 184 | 32 | 1,070 | 32 |
|  50-64 | 339 | 39 | 374 | 36 | 352 | 44 | 221 | 38 | 1,286 | 39 |
|  >65 | 214 | 25 | 178 | 17 | 158 | 20 | 144 | 25 | 694 | 21 |
| *P* value for differences by race/ethnicity a   |  |  |  |  |  |  |  |  | <0.01 |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Personal cancer history b |  |  |  |  |  |  |  |  |  |  |
|  Yes | 256 | 29 | 104 | 10 | 104 | 13 | 76 | 13 | 540 | 16 |
|  No | 616 | 71 | 941 | 90 | 703 | 87 | 506 | 87 | 2,766 | 84 |
| *P* value for differences by race/ethnicity a   |  |  |  |  |  |  |  |  | <0.01 |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Education  |  |  |  |  |  |  |  |  |  |  |
|  Some high school or less | 41 | 5 | 395 | 38 | 109 | 14 | 51 | 9 | 596 | 41 |
|  High school graduate | 179 | 21 | 238 | 23 | 192 | 24 | 72 | 12 | 681 | 179 |
|  Some college or other c | 307 | 36 | 284 | 28 | 336 | 43 | 153 | 26 | 1,080 | 307 |
|  College graduate  | 322 | 38 | 114 | 11 | 152 | 19 | 283 | 49 | 871 | 322 |
| *P* value for differences by race/ethnicity a   |  |  |  |  |  |  |  |  | <0.01 |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Country of birth  |  |  |  |  |  |  |  |  |  |  |
| U.S.-born | 809 | 93 | 572 | 55 | 797 | 99 | 205 | 35 | 2,383 | 72 |
| Foreign-born | 63 | 7 | 473 | 45 | 8 | 1 | 375 | 64 | 919 | 28 |
| *P* value for differences by race/ethnicity a   |  |  |  |  |  |  |  |  | <0.01 |  |
|  |  |  |  |  |  |  |  |  |  |  |

a *P* value from chi square test

b Personal history of breast, ovarian or childhood cancer.

c Technical or vocational school.